

1 acattttttaaa agtagctaca atattttttaaa aattgaaata aaatgtttat tttagaatag
61 ttttataaatt actgaaaact ttcaaagaaa gtacagagaa ttcccataca caccacaatc
121 agtttccctc attaacatct ggcattatta ctatagcata cggtcacaac tcatgaacta
181 gtattgctat attgcttatt aactgaactt tatttaaatt gtattagctt ttctctaattg
241 ggctttttct gtttccagat cctgtctagg acagtagatt acatttagct gttgtgtctc
301 ctttaggetcc ~~tetgggetat~~ ~~geeeceetttt~~ ~~caggctttcc~~ ~~ttgcttattc~~ ~~atgaccttta~~
361 cactttgggg ggctactggc cagggtatttt gtacaatgtt cctcaattcg gttttgtctg
421 atgtttttcct caggtaggtg ggtgtattag tccattttca tgctgttgat aaagacatcc
481 ctgagactgg gaagaaaaag agttttaatg gacttacaat tccacatggc tggggaggcc
541 tcgcaatcat gacagaaggc aaggaagagc aagtcacatc ttttgtggat tgctgcaggc
601 aaagagagag cttgtgcagg gaaactccta tttttaaaac catcagatct catgagactc
661 attcactatc atgggaacag tgcaggaaag accggctccc ataattcaat cacctctac
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781 ggggacacag ccaaaccata tcagtgggtt atgggttggg gaagaaaacc acagaaattt
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1561 atgaagccta attcttaggc tggaaatttca cagctcacca tgaaagaaat atgaattatt
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1861 ctctttctta cagaataaaa tctctactac agtggtttta ctgtcagtgc cagagatgct
1921 aatgcaatca aacgaatgct ggatttgtca ctaactgcaa acatcccaaa gaaattttat
1981 atctaagaca ttttggaat gtttccatta ctttggccag tcattattgt cctgtctaaa
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2281 tgaagaaaaa tctatttttt aactgtcaaa attaaaattt tottaaaaga attaaaaaaa
2341 taggtccagg gaaattactg ttattggaga aaaaagaaaa aatgaaaaaca tgaccaaaaa
2401 caatcaatgg ttgtctcatt tttggttctt gccatataaa tttttttttt tttttttttt
2461 tttttttttt tggaaacaga gtctcgtctc gtcacccagg ctggagtgca aaggcacaat
2521 cttggctcac tgcaacctat gccctccgag ttccctcccg ccttccacct cctgccttag
2581 cctttcoaagt agttgggatt acaggcacc atcaccatgc ccgactaatt tttgtatttt
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2701 atctgcccgc ctcagcctcc caaagtgtct agattagagg cgtgagccac catgctgtgg
2761 atcaataaaa aaaattctgg ggagaagaca atacattttt taaatcccat ggccaatttt
2821 ctgtgatgaa aaaatgtccc cacagagaca ctcaacattt tccaatgggt tnnnnnnnnn
2881 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
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3181 acaatgacca gggcttttgg cttcaatgtt ttctcaacac ccataatctc caggctccaa
3241 atctcagagg aagggtctctg tctcaagggt tatcacaggt aatttttcaa ttaaaaaactg
3301 tcttttgagt ggctttatcc acatgtcatt tcaaaaatacc agaaaatgtg tctttttaaa

FIGURE 1

3361 attgtagcca attaaacaca taaagtctat gttatcatca tatgaaacag aaaaaaagtc
3421 cagatttttg ttttcaggga accaaggatc cagtccttac aatgtcacag actatgtggg
3481 ctacagtttct ctactgataa agtgtggata cagagtctag cctctagcct atctaggatc
3541 aaagaagctc agagagggtac aaagggtctt gcaaggctaa agactacaaa tgagaatata
3601 ctgcattttt ttaaaactgca aaagttcact ctggtatcaa atggccttgg tgtagcttct
3661 gagaaaacaa ttatagctgc caagatggag tgaatacaag aatacacatt tctaagtctc
3721 tatgttaata aatgacagtt atttattcaa gaatataaaa gaagacattg tctagaatct
3781 ttaggatttc attattgtct ctttaaatct ccaagctcag aagttttgat aatgttaaect
3841 attctgttat ttttaaggcag cctaagtgag tatgcagtgg aggtaggggc atgacagtgg
3901 tgtgagggct gccatttcat ttttagtatca agtcatttca atatgtgttt caatacatat
3961 agcactgcat tatatagttc ttctttcctt ctgcctgatc caaccaagtt cggcaagttt
4021 gccaaacttg ccacaaaaga gaagccataa agacatacta agctagtgtc gatatccagc
4081 caggtgacat aaaccaatct cacctattaa aatatgtttt caacattttg aaattcagtt
4141 taccattttg catactatca taaaaccttt gtttctgacc actccacatt aacacaaatt
4201 aacacacaaa acaaccaatt caataaaaaca aaaaaattgc agctgtntnnn nnnnnnnnnn
4261 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
4321 nnnnnnnnnn nnnnnnnnnn nnnnnntttt ataaagaaaa tcatgaagat atacaaacaa
4381 aaaaatgaat actatcacag tgtttttacat tgtttactaa ttgatagtgt gttcatggac
4441 aaattttaat ttattcttaa ctatctctgt ttccagttac aagcatttat tgtcattgta
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4561 ttcttactga tttctactgg tgcttcaaca tttcttatag gagctctgtc atttcttact
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4681 taggcatact accaaaacaa atccagattc cccaaatatt tttgtcttca tcaaaaataa
4741 agcaaatgtt tttagctgta tcatttttaa cacacacata caaaaacaaa aactaaaaat
4801 gctatggtga cataataaac ctagataggc atgtattaat ctaatccagc cattcccaat
4861 ctagttttgt ctatgtgtta atttgaacac taagggtacat ctacctacca cctgaaatta
4921 tcacaatgag caaaacaaat gaaattttta aataaataaa taccatgtgt agttgggggt
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5101 aagaaactac aaaagtaaaa aacaattaca taaaaaccaa actttcaaat aaaaattgtg
5161 aaacataaat ttacaattag aaagtacagt tatggtagtc cacaaagttt tcttttgtac
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5341 ctacagaaaag tgacactagt cagctaagaa tttactgaaa gttatagggt gctgtataaa
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5821 aggtgcattt ctccaagttc tttggagcta aacatttggg tgtaaaattat accctttctc
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6061 agagagaggg agagagacag acagacatat ggacagcagc aaaggctgtg gctgaatttt
6121 gcatgtgttg tatagtcaat gcttcattgg catcaaggaa caacagagac agttttctta
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6361 taagctgtga attacttttg ttaaatctgt ttttgtttaa gatattctaa atgggtttct
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6481 gcaagccatg ggttaaatgg ctatccctct gtaaggctta taggcagaga agctttcagg
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6601 aatccaaacta agaattgaaa gttagttcat atgaaaagac tgagaataaa atacttaata
6661 ctaatttaaa tccagatata tatattgtca gagaatactg taggagttca acattgaag
6721 aacaataaaa atctacaaaa aaatcaactag aatataagac ctaatatata tctgttcagg
6781 ccttaaaaaa tgaagacagc ttttttcaa gtaagggaac ctggaaatat aatccctctt

FIGURE 1 (continued)

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6961	ggggcagtg	aattagaagt	gtgcatcag	actgtagcag	agtttcccaa	cttcagcaat
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7141	tagcaccac	tgctcaaaac	aaaatgtctc	tagacgttac	caaataattcc	aggggggaca
7201	aaaccactgg	accataggct	gaaagtcata	gcctgcgaag	agtcactgga	cttaagaaaag
7261	atgagacaag	aaaaataatt	tcagaaacaa	tgataattat	ctaattcagt	gatgtataca
7321	gagagggggc	tgcaaacaca	tcagtgaaga	ggccaggcac	ctgctatggg	gactggagtg
7381	cacaagcacc	ccatccaagg	agaggacttc	tcagagtcag	ccagctgttg	ttgccatacg
7441	ggaaggaaaa	cccagggttt	ccaggccttc	ttttcctttt	ttctctctca	aaacaagaaa
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7561	acaattttta	ggctagattt	gacctgaag	ctaccagagt	cctgcagtg	agactaaggt
7621	aagtgcacgc	ttggaaggtg	tttaggaaga	taaatttatg	gatccggatc	aaacaaacca
7681	actataaaaa	gacataactg	agaaaaagag	gcaaaggtga	atttggtatg	gtattaaata
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7801	tacccgtttc	aaatatctaa	tagatatcta	attatttata	caggcaggca	ggcaggcagg
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7921	aaaaagacag	agacaaaata	atgagcaaag	cactatacct	aaatacgaag	aataaatcag
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8281	ctatatctct	gaatctctgc	tgattactga	agtaaccagc	tgacttctctg	aaaccaaata
8341	aaaaacaaat	tcagcactat	acactgtctc	agtgtatatg	ttgcaagagg	gtccatgcac
8401	actggaccat	aggctgaaag	tcatagcatg	caaagaatgg	ctgggatatt	ccattttgta
8461	cggttaatat	gaaatgctac	aaccacaata	agcataatcc	acagaaataa	atcccaagga
8521	tgaaactacc	caaaccaaat	ttctgttcag	ggaagaatcc	nnnnnnnnnn	nnnnnnnnnn
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8761	gactaatttt	tgtattttta	gtagagatgg	ggttttcgca	tgtttggctcag	actgggtctcg
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9481	tcattgtctc	tcaataaact	tcaattatgt	attctatgaa	ttatttcaaa	ttttttttta
9541	catattttta	ttttctgctc	ctcttttaatt	attttgata	cagaaagtgt	aaagtgtgtt
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11401	cttttttagct	cttttttagct	cttttttagct	cttttttagct	cttttttagct	cttttttagct
11461	cttttttagct	cttttttagct	cttttttagct	cttttttagct	cttttttagct	cttttttagct
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11641	cttttttagct	cttttttagct	cttttttagct	cttttttagct	cttttttagct	cttttttagct
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11941	cttttttagct	cttttttagct	cttttttagct	cttttttagct	cttttttagct	cttttttagct
12001	cttttttagct	cttttttagct	cttttttagct	cttttttagct	cttttttagct	cttttttagct

FIGURE 1 (continued)

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10381 tcacttccta gtggctaagc aaagcctaga acccagatat gctgctacct gaagcagcac
10441 ttatttttaac tagcctggat agtactggtt atatacacgt agatcacccc caaaatccat
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10741 cagacactca atgttagata tttttcacta ctgggttcaa gacaaateat ttatttaate
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10981 acagaatatc tctagaagtc acttaaatgt gaaaaacatg agtttctctc cttataattt
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11341 gtggtttgccc ttttggaatt tttttagaac ttcttctgga ccaccagcaa atatgacatc
11401 aaaactgttc aatgaggaaa aaatgtggtt taaaatacac ttgtcagaat ctaggacatc
11461 aaaccatgaa aagttctcta acaaaagtca gaatcaagaa tacaatgcaa gattaatacc
11521 tgtgccaaact atttacacag aacaccaaac aaaatttctc tcaacttaaa ttatatgaat
11581 tgrattgaat tattagttta cattagcaaa tgaagtccaa ataaaagtca gcttttttag
11641 tgttagcctt aatttttttt tcaggaatca cttattccca aattgaaatt ctgaaacagc
11701 attaaaatgt tagaaataca gttacttggt gtataacttt ataatacaga tagaatcatt
11761 tacggaagtt gccataactg cctaataatt caagtaaatt tgtaccagtc cattagtttc
11821 tgaagaatta tttttgacaa aatgtgttta actgctaaat gtcacaatg tatgtttaat
11881 atctgaatga ctgttttagca tggaaatcta aaataagtgc gttcagacaa ctgcaggttt
11941 ttaaaagtca atacacttgg gagaaaaatt ttgtaaaaac tgacactata tttaattttt
12001 tgtaaaaaact gacactataa ttttaattaat ataataataat ttcattgatt tttctgatga
12061 ctttcttctc catggttctat tcacagaatc acaatgactt aacaaaatgt gaagtataac
12121 agccactatc taaaattttt ctactctgca ataagttctt tattcattac aatcacaaat
12181 tattttacat ttttttacat cagtgcacct taagaccaa ggtttccaat gatgataaat
12241 taatgactta ccatcccagg tagctaacag cataattgta aagtcactca cagcatacaa
12301 tttgaagtct gccagggtggg tttctaattc cacctctgcc acttgatatg agaataacct
12361 taggacaagt cacttaacct ctttacactt aagtgtaaaag tataaaatgg agggaaaagt
12421 agtatctata tctcaagtt ataatttaaa aaaattaaaa ataactcctg gcacactgta
12481 aacactgaac aaagttaaaa attaacatga aagggactac agtaaaagga gagacagagg
12541 aaaactcact tcaaaagttt tacaaatgtg tatgttaaaa aatttttatt ttagccaaat
12601 acttgtaact ttgaaactga actttaagtt acaataaaaat ttttctgact gaaaacctcaa
12661 actttgcccc gtttattaaa aaaaaaactg attaatctga cattacaaaa cacaaacactg
12721 tactttttct gctaagtaca actgatttcc tcaaccggat ttaacggtja tatttttctc
12781 aagactataa gttgttgata attttttttt ttaataatga agactgggaa ataagaccag
12841 ttttatgggt aattaggcca tgagaagtga ggcaaataaa ctaaagtcct tgaaagagcg
12901 actaccatgc gactgataaa cagaccttct gtgcattgcc tggagatggg gaaaaatagc
12961 ttgtgatgtc ajagcatctt acgattggag actctgacta aactgagctt gaaattttgc
13021 aggtagcagc atgcatacag tgtggcaatt cctcaaagar ctagaatcag aaatggcaat
13081 tgaccagaca atcccattgc tgggtataaa cccaaacaaat tacaaatcat tcttctataa
13141 agttacatgc acacatatgt ctactgcagc attatttaca atagcaaaaga cttggaaaba
13201 accccaaatg ccattaatga taaaactggaa aaagaaaaatg tgacacatat acacacatgga
13261 ataactattoa gccataaaaa gaatgagttc atgtctttt cagggaacatg gatgaagggtg
13321 gaatcccata attctcagca aactaacaca gaaacagaaa accaaaacac acgtgttctc
13381 actcataagt gggagctgaa caatgagaat acatggacac agagagggga acatcacaca
13441 gtggagcttg tgggtggcg gggggcagg agaggagag cattaggaca aatacctaatt
13501 ctatgcaggg ctaaaaacct agatgaggcc gggcacagtg gctcatgctt gcaatccag
13561 caacttggga ggtcaaggcg ggcgatcat gaggtcaaga gatcaagacc atcctggcca
13621 acatagtgaa aacccatctc tactaaaaat acaaaaaatta gctgtgcgtg gtgatgtgcg
13681 cctgtaattc cagctacttg ggaggctaag gcaggagaat tgcttgaacc cgagaggtgg
13741 aggttgagat gagctgagat catgccaatg cactccagcc tgggtgacaga gtgagacttg

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FIGURE 1 (continued)

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13801 gtctcaaaaa aaaaaaaaaa caaaactcta gatgatgggg taataggtgc ggcaaacccac
13861 catggcacat gtatacctat gtaacaaacc tgcacgttct gcacatatat cccagaactt
13921 gaagtaaaat aataataaaa tttaaaaatt aaaaaaagtt ataatgacac ttttgaatg
13981 tgagtgaata ttttttgtct ttgaaaccct aatgatggat acagattata taaacagtat
14041 agctcaaact attaataaat gtcagttgtt tgaaaaagag ttatggcaac ttttataatt
14101 tagcgtttta taagcctgta ttatctttat aacaaaacac aattatttta aagcaaaaag
14161 ttaagacaaa agttatcaca taattgcctt tgaagaaaaa tttcacgttg ctgaaacctt
14221 tcttatctca ttcgagtagc actgctattt ctgtgtttta atactttaga aaagtatttt
14281 gaacttactt aaaacttctc aaagggcaag gaaggtttcc tacttaaatt tattttggct
14341 gtaaaaagtc aaattgtcaa atttaaaaaa atgcacacag gtgttgcggg aagtcaggga
14401 ccccaaatgg agggaccggc tgaagccatg gcagaagaac ataaattgtg aagatttcat
14461 ggacatttat tagttcccca aattaatact tttataattt cttatgcctg tctttactgc
14521 aatctctgaa cataaattat gaagatttca tggacattta tcacttccct aatcaatact
14581 cttgtgattt cctatgcctg tctttacttt aatctcttaa tcccgatc ttcgtaagct
14641 gaggatgtgc gttagccttag gaccctgtga tgattgcatt aactgtgcaa atcgttagta
14701 aatcatgtgt gtttaacaaa tatgaaatct gggcaccttg aaaaaagaac aggataacag
14761 cgatgttcag ggaacaaggg aggttaacct caggtctgac tgcctgagag ccgggctgaa
14821 cagagccata tttctcttct tacaaaagcg aataggagaa atatcgctga attcttttct
14881 tcagtaagga acagccctga gaaagaaaat gctttcctag gggtaggtct ctaaaatggc
14941 cgctctagga atgtctgtct tacacggttg cagataaggg atgaaatagc cccagtctct
15001 ggtagcactc ccaggcctat taggacgagg aaattcctgc ctagtaaatt ttagtcagac
15061 cagttgtctg ctctcaaaac ctgtctcctg ataagacgtt atcaatgaca atgcataccc
15121 gaaatttcat tagcaatttt aatttcgccc cggtcctgtg atctcgcttt gccccattt
15181 gecttgtgat attttattgc ctctgtgtgc ctctgtgacc cacaccctat tcatacctg
15241 cctccccttt gaaaatcact aataaaaact tgctgggttt caaggcaatg tagtgcctg
15301 aaaaccaagt acgtctcagg tatttcttat agcagcgtga aaatggacta atacagcaaa
15361 agaaacccaa attatcctcg aagagatgac ctgtagataa gcaaaagtat ccagccaaca
15421 gtcccagcta acaaccagac atactctcag tggagcagcc agattactgc agccacaaaa
15481 gtgacccag gaaaaatcag tagaagaaca cagatgaatc caaccaaact gcataatcat
15541 aagcattgat ccaacaagca ttcttaataa gcctcccaca cactaatttc cacctaagat
15601 tctactttct ggagaaccca atctgcaaaa ttgtgtacga agagtgggga aaaggaaaag
15661 agaggtagct actggagaac gtgctccacc aaattaaggg aataaaactaa gaaagaggaa
15721 gacatgaaaa acaggggcaca gaagaatcca cacagggtag agtcacagag gattcccata
15781 tgatgggtgaa gggaagtccc tgcaggccta gagacgcata aatcccaact cgggaacagc
15841 acaggtctctg agagggatgt ctccattaaa atcgacaaac tatcaatgta ttgactacac
15901 tgagaagaat tccaggattc tgtagaaaac ttggggggga tgaattaata aaatgaatat
15961 agaaaaacaaa acaaaacaaa aaaacttgct ggttttggcg cttggggggc agcacgggaa
16021 ctgccaacat gtgatgtctc ccccgagcac ccagctttaa aattttctct ttttgaactc
16081 tttcccttta tttctcagac cggccaacac ttagggaat aggaaagaa ctaagtggaa
16141 atattggggg tggttccccc gatcacaggt tcataaaaaa attctcacag aaattgagtc
16201 gatctacatg tgaagaaaat aaaaattttc acataaaact gtggtaagta tgccctgggtc
16261 ctgaaaaaac cataagattc tacctgatgt ggtcatactg agtccctctc cagacatgtc
16321 agtgttctat ctcaatagat gattgagatt ttctaagtgt ttttcccttt tgtccctctg
16381 tgttccctac tctgtgaca acatcaacca catagtcacc taggttgaaa atctttcatt
16441 cacccttcac tccctctctt ccattggccta tctcatggaa tcttttccct aatcttattg
16501 attccatcta cttaatttat ttgtcattca aatcctctcc actcccacta gaaggacaaa
16561 ggttagatta attttaaaaa cctagagacc tctacattac ccatctcttc ctcaatcata
16621 aataagactg tctgacaaa ttttttaaaa atgattctgt gccagttccc agactgtatc
16681 aatgggtctc aaactatggc taaaagcggg gttagtaaat atttaatttc tggcttttta
16741 cagaaaaatc ttcaggctct gatgaccata ttgtctgtca cagtgaacta actctgtcac
16801 tgtgttgaaa aagccacccac agacaatatg taaaacaaatg agcacagctg catttgaggg
16861 gttttctctc cccccccccc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
16921 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
16981 gttgggcagg tttgggctcc catggctctt gcatcttggt gttatgactg tgaatatata
17041 tgttacatgg aaaagggaaa tcagatttgc gatggaaatc aggttaatca gergatctct
17101 tgatgggaaa attatcctgg attttctggg tgggcttaat ataactatat ggtatcttaa
17161 aagtggaaaa ggtaggcaga atgtagctca tacaagtatg acatgagaag gacttaattc
17221 gatgttctct gataggaaga tggagggaag ggtccatgag caagggaatg taggtgggtt

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FIGURE 1 (continued)

17281	ctagaaactg	ggaaggatct	ttagctgata	gccagtacaa	aaacggggac	ctctgtccta
17341	caaccacagg	gaactatat	ctaaattctg	ccaacaacct	gaatgagaga	aaaaaaaaaa
17401	aaaaggattc	tctcttagaa	cctccagaat	agaacaaagg	tggccaatat	actagatttg
17461	gcctgctgag	gacctatact	ggacatctaa	actggaagat	gataaatttg	tgttttacgc
17521	tacaaagttt	ttcattttat	tgttatggaa	acgatagaaa	actaatatac	tcagcttttc
17581	cactcctcta	ttgctgaccc	tgcagaccat	acttctatag	gaacaaacct	tgctatgaat
17641	gatgagtaag	ttcaatttagg	ctatagaaat	attattccag	tccgagagtt	attccttcta
17701	cttacagtag	ctgcataatt	gtgctccatt	tcaattatagg	ttaaatctaa	ataacaaatta
17761	ttgagtagca	atcttttcct	tctctttttc	aaattcccat	tgtgtggtgg	gttatgtact
17821	acaaaaaact	ttgatgattt	agaattacac	acaaacacac	acgtgtatat	atatatatat
17881	atatatatgc	atatacacac	acaaacacac	acatttccag	tgtgtttttg	tatgtatgtg
17941	tatatatata	catgtgtata	tatgtgtgtg	tatatatata	tgtgtatgtg	tgaatgtgta
18001	tatatatatt	cggttgtctc	ttggtatcca	tgagggattg	attccaggaa	ctccagtggg
18061	tgccaaaacc	catggatgct	caagttaagt	ccctcatata	aaatggtgta	gtattttctt
18121	ataacctatg	cacattttcc	cgtatacttc	aaatcatctc	tagttacttg	taacacctag
18181	tgcaattgaaa	atgctgtgta	aaatagtgtg	tatactttat	tttttaggaa	aaatgacaag
18241	acaaaaagtc	tgtacatggt	tagtgcatag	gcaaccatca	tttctataaa	atattttaa
18301	tctgtggttg	gtttaatcta	cagatgtgga	accacagat	atgaactgta	ctcacatact
18361	cacctaaaag	gtaaaacttt	tcacactaaa	ataaacaaaa	atgtacaatt	tttaaaaaaa
18421	gttaatagga	aatataatat	aaaaagtata	aacaacttac	tcccttaata	aatgaccgta
18481	acctagattt	tctttctgga	taatatattc	tcagagggtat	tttatttccc	ctaatacagc
18541	aattaaaaag	attatttctc	gttttattgt	ttgtttcctt	catttcactc	aaattcatat
18601	gggtagagaa	cttactctta	ttgacactta	ttgcattatc	cataagacac	atggcatgta
18661	gtattttgct	gatagattat	agttgaatta	ataaattggat	agaaaatgag	cttaacaaac
18721	ataattttaac	ccagtcacac	aactaggaca	catggagagt	agaattggcc	agcaagggtc
18781	acaggtaacct	agtgtaaaga	ttaaagtggg	gccaggcgcg	gtggctcatg	ctgtaattcc
18841	cagcgctttg	ggaggccgag	gcaggtggtat	cacgagggtca	ggagatcaag	accatcctgg
18901	ctaacacagt	gaaaccccat	ctctactaaa	aatacaaaaa	attagctggg	catggtggcg
18961	ggcacctgta	gtcccagcta	ctcgggaggc	tgaggcaggga	gaatggcgtg	aacctggggag
19021	gtggagcttg	cagtgagccg	agatcacgcc	actgcattcc	agcctgggtg	acagagcaag
19081	attcctctcc	aaaaaaaaag	aaaaaagaat	taaagaagaa	ggaaagaaac	acaaagggtg
19141	gcttgccagt	taagacaggt	ttattttaga	gaaaacaaaac	ctgagaggag	cttttgaccg
19201	agtttagatta	gaggcacact	ttttcacaga	ctaaacgttt	tttaaggattt	agggtagggg
19261	agtttatttag	aggcttggac	tgcttttgtg	tttttttgtt	tgtgtctatt	tgggagggag
19321	agtttatttag	aggcttggac	tgcttttgtg	tttttttgtt	gtgtcttatt	gggagggaga
19381	gttacgtgtt	tgttcccata	catttccctg	cagcttccagg	catacccccc	gagtttgtct
19441	ttagctttcc	tatttttagtg	cagctgaagg	aaaagaattg	gottatttaag	accatattgt
19501	ttacttgggg	ccattgtgta	aagggtcaggt	ttgacagctt	caacagaaaa	ttctccctta
19561	cttctccctg	tgcccaaggca	ttttatctga	gttttatact	ttgttttttg	tggcgtttta
19621	tagttaaaaaa	aaaaatttctt	aaaattgcata	gggtctaaaa	gaagctttta	ttagcgtttta
19681	tgtccaaatat	aatgggtgctt	ctgtctgtgtc	acctagtgcat	aatcttttgtt	caaaaaatta
19741	gatgttgtgta	tgggttaattt	tatatatacaa	cttccactgtg	ccatggggatg	cttagactatt
19801	tggctaaaaaa	ttattctgggc	tgtgtctcttg	agggtattttt	tatatgagat	taaaattttg
19861	atgagtagagc	tgagtaaaaa	agattgcccc	cccccaacatg	gatgggttttg	attctaatg
19921	taaaaggccgtg	aatataaaaca	agattgaaata	agagatttaatt	ttctccctttt	gttttgagaa
19981	tgggtctctct	ctgtgtctctg	gacttgaaaca	caaaatggat	ctagctctctg	ctgggtctctg
20041	agttctctctg	ctgtgtctctg	gagaaactaa	ctaatggat	tttttgagat	tttaattttg
20101	aaatctctctg	ctgtgtctctg	ttctctctctg	ctaatggat	tttttgagat	tttaattttg
20161	aaatctctctg	ctgtgtctctg	ttctctctctg	ctaatggat	tttttgagat	tttaattttg
20221	agttctctctg	ctgtgtctctg	ttctctctctg	ctaatggat	tttttgagat	tttaattttg
20281	aaatctctctg	ctgtgtctctg	ttctctctctg	ctaatggat	tttttgagat	tttaattttg
20341	aaatctctctg	ctgtgtctctg	ttctctctctg	ctaatggat	tttttgagat	tttaattttg
20401	aaatctctctg	ctgtgtctctg	ttctctctctg	ctaatggat	tttttgagat	tttaattttg
20461	aaatctctctg	ctgtgtctctg	ttctctctctg	ctaatggat	tttttgagat	tttaattttg
20521	aaatctctctg	ctgtgtctctg	ttctctctctg	ctaatggat	tttttgagat	tttaattttg
20581	aaatctctctg	ctgtgtctctg	ttctctctctg	ctaatggat	tttttgagat</	

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20761	gaataaagct	aaaagtaaat	gaaagagtgc	ttattcttag	catttaaaaa	ttaattttta
20821	atattatcatg	acatttggtaa	ggtaagaaaa	aatgacctgc	aaatctttct	atatttgcaa
20831	atttcaatgc	atctttactt	tataaatgaa	aaaggcaaaag	agggctatgt	ttaatataga
20941	aaccaacatt	ctttgactgg	ctcaaggctt	ctataattaa	gcatttataa	agtaaataga
21001	gttttccttt	tctttctttt	gacagagaaa	ttagtgtgtt	tttcaactgtt	ttgtagtcat
21061	agtgaacatgg	tttgagggaa	atgtctgaag	cacagggcca	agttctctaa	aataattgtg
21121	ttaagaattt	taaggacagt	agcaggtgtc	ttagtccatt	ttgtgctacc	ttaacaaaaat
21181	atctgaagca	aatagctaag	ctaagtgtat	ggcctaaaat	caaatgaata	tctagtgtact
21241	cagtacttcc	ttgaaaagct	ccctaaggca	ataacatcat	tttatatgac	agatccagca
21301	ccaataatca	tatgtttccaa	aggtgacata	aaaggtaaac	ctgaggggaat	tttaccctgt
21361	tgacctatca	gtggaatgag	agagttttaga	agattttcacg	tttgtctttt	gggaagtgtg
21421	ccacaatttc	ttcaaacaca	ggacctaaaa	ccaagtagga	ggaaagctac	agctgagtca
21481	acctgagtaa	gggatttcat	tcatttcattc	attcattcat	tcatttcattc	attcagcacc
21541	tgtgtccaac	acctgtcaag	gcactacaga	ttcggcagta	aataaaaaatg	aatcatttgt
21601	tcttagagtgt	cttgtttctcc	agggaaacaaa	gacagacagg	caaacaaaaca	aagaatgaat
21661	aaaaaatatg	aagtagatta	gatagtgtga	tcagaaagaa	aaagaaaaca	aagtatgaag
21721	atagaaagaa	acaaatgtct	tgggggaact	atttcagata	gagtaaagggt	aaagaaagat
21781	aggaaataag	aagaaatagc	acttctgtct	ttttccaact	ttataaccag	gaattaaagcc
21841	tctaaacaca	gtttcctttct	tttttcattct	tacaggtcct	catgataata	ccccaaactag
21901	acctttaact	tccttctttt	cgtacaagat	ctcctgtctca	ctaagatggc	acacaacaga
21961	gataattgct	tatttttcaag	gtttcagttgt	tttctcataa	acattataat	atggcatata
22021	tattatttta	tatattacat	aatattaata	taatatataa	tattagtata	taatgataaa
22081	tatgtattat	atgtaataaa	taacatataa	actgtatttg	atataataaa	tatatataat
22141	aaatatataa	aatataaaat	attcaatgta	aataagatgc	catatataat	gatattttat
22201	atatttattaa	tatattgtga	ttttaaaaag	gggtttcttt	ttttcttcaa	cttttatttt
22261	gaattcaggg	atatatgagt	atgtttctta	caaaggatc	ttgctaccca	ggtagtgaagc
22321	ataggactca	gcagttagtt	tctggacct	tttctctctc	cctattcttg	cagttcccag
22381	tgtctattgt	tttcataaat	actattgttt	tatgtccaca	agtgtccaat	gtttagctcc
22441	cacacttaag	tgagaacatg	tactatttgg	gttttctgtt	tctgcattaa	tttgcttagg
22501	ataatggcct	ccagctccat	ctatgttgtc	gccaggaaca	tgatttcatt	cttttttata
22561	gttgaatagt	attccatggt	gtatcacatg	caatttttct	ttctccaatc	cactttcgtt
22621	gggcacctaa	gttgattcca	tgtctttgtc	attgtaaata	gtgtgtggat	gaacataaga
22681	attcctgtgt	ctttttggca	gaatgcttta	ttgttctttg	gatataat	cagtaatggg
22741	attgtctgggt	caagtagttg	ttctattttt	agttttttaa	gaaatctcca	aactgtggct
22801	ccaaaagttaa	gccacagtgg	cttaacttac	attctcacca	acagtgtata	gcatttccct
22861	ttctccacaa	ccttaccagc	atttgttata	ttttgacttt	ttataaacag	ccattctgat
22921	ttgtgtgaga	tgatatctca	ttgtgttttt	gatttgcatt	tctgtgatga	ttagtgtatga
22981	gcattttttc	ttatgtttgt	tagctgttta	tatgtctctc	tttgagaaat	atctcttctc
23041	gtttcttctc	cacttttttaa	tgggtgtgatt	tgggtttttgc	ttgttgattt	gtttatgttc
23101	cttagattct	ggaaattaga	ctcttatgtg	atgcatagtt	tgcaaatatt	ttctctcatt
23161	ttgttaggttg	tctatttact	ctatttgatg	tttttttttg	tgtgtatagt	attctttagt
23221	taatttaggtc	ccaaactgcc	aattttctgt	tgcactgctt	ttgagaactt	aattataaat
23281	tctttgtctaa	ggaggaagtc	aggaaaggta	tttcttaact	tttattctag	gaattttata
23341	gtttgacatc	taacatctaa	gttttttaac	catcttgagc	tagttttttg	atgtgatgaa
23401	aggttagaggt	tctgtttttc	tgcatttgta	taatoagtta	tcccagttat	attcattgaa
23461	taggttagtta	tttctgttat	taattccattt	gpatgtgtag	aaaggagtac	ctggaagctgg
23521	gttaattttatg	aaaaaatgag	gtttattttgg	ctcatagttc	tttagtttgt	acatgaagca
23581	tagtgcctga	ttcgggtcag	ggccttagga	agtttaccat	catggaagaa	gtgtgaaagg
23641	agccagcatg	tcacatagtg	ggagaggaaa	caagagagaa	agaggttcca	gggttttttt
23701	atacaattag	atcttgcctg	aaataataga	gcagcaactc	atgtatcac	aaaggaaata
23761	ccaaagggaat	gatccaaac	ctctcactag	gccttaactt	caacatagag	gatcacattt
23821	gaacatgtga	tttggaggag	acacacatca	aaaccaaata	cgttccccat	tgcttatctt
23881	tgttgactct	gttgaagatc	agaagggtgt	agaggtatgg	agttactttg	agttctgtat
23941	tctgttccat	ttgtctatgt	gtctgttttc	atccactgtc	aatgctgttt	ttgttactgt
24001	agccttctaa	tatagttctga	atttgggttaa	tgtgatacct	ccagcttttt	tttccctttt
24061	atttgccttag	gattgttttg	ttactcagga	ttttcttttg	ttccatatga	actttagaag
24121	agtttctttc	taattgtgaa	aaaatgacat	ttgtagtgtg	acaggaatag	catcacatct
24181	atagattgtg	ccatataaat	atttttaata	tattgattct	ttcaatccat	gagatgtgaa

FIGURE 1 (continued)

24241	tggtttttcca	tttgtttggg	ccacatatga	tttcttgacg	cagggttttg	taacttttct
24301	tgtagagatg	ttttacctcc	ttgggttagat	ctatcttagt	tatatgtgtc	taggtatttt
24361	attttcatgt	gtggctactg	taaatgatata	cgtgttcttg	atttggctgt	cagcttggac
24421	attattggta	tatagaaatg	ctactgaatt	atgactaggc	tcagtggctc	atgcctgtag
24481	tcccagcact	ttgggaggcc	aaggcgggca	gatcacttga	ggtcaggagt	tcgagaccag
24541	cctggccaac	aggggtgaaac	catgttgcta	ctgaaaatac	aaaaattagc	caggtgtggg
24601	gggtcggtgc	tgtaatccta	gccacctggg	aggctgagcc	aggagaatca	ctggaacctt
24661	gaaaggcaga	gcctgcagtg	agctgagatc	atgccactgc	actccagcct	gggtgacaga
24721	gcaagacaaa	aaaaaaaaaa	aaaaagctac	tgaattttgt	acattgattt	tgtaccctaa
24781	aactttactg	aagtcattta	tcagctctgg	gaggcctttg	atggagtctt	tagggttttc
24841	tagataaaga	attatgtcat	cagtaaagag	agataagttg	ttttcttata	ttctctttta
24901	gttgccctttt	attctcttcc	cttgccctgat	tgctctggat	agagctttta	ttactatgtt
24961	gattgggagt	ggtgagagtg	ggcatctttg	tcttgttcca	tattttaagg	ggaatatttc
25021	tagctttttac	ccattcagta	tgatgttggc	tgtagatttg	tggatttgtt	cctttgatga
25081	ctggtttgtt	gagggttttt	atcatgaaga	tatgttgaat	tttattgaaa	gctttttctg
25141	catctattag	gattatcatc	agtttttgcc	tttaatgctg	tttatgaggc	gaatcatact
25201	tactgatttg	catttgttga	accaaccttc	atttcaggaa	tgaagtctac	ttgatcatga
25261	tttaattgaca	tttcaatatg	ctactaaatt	tggtttgcta	atatgttgtt	gaggattttg
25321	gcacttatgc	tcatacagag	tattggcctg	aagttttctg	tatagtgtct	gccagggttt
25381	gatgtcagaa	tgatgctggc	ttcataaaat	gacttaggga	ggagtccttc	ctcttcgatt
25441	tattgcaata	gttttactag	cattagtgatt	agctcttctt	tatacatctg	acagaattcn
25501	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
25561	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	cataagtttt	ataaccatta
25621	ccttatttga	tatatagctt	gtttgccatt	tgacactaac	aaaaataata	ttgtaagggt
25681	attattgaaa	ataagttttg	gtttccattt	ttacctattt	ttataggaaa	agttcatgaa
25741	acaaaatatt	taaaataaaa	gatatgtact	ctttctgtct	cttgttacat	attgtggagt
25801	tgattttccag	aagggttttat	ggattttcac	ttccacgagc	agtgtacaaa	agggtaggga
25861	aatcttggca	agcattactt	ttcaaaatac	tttcttcaag	gttttagggg	aaaatagtgt
25921	ctgattctct	ttatcctcct	tttttatttc	ttaaatttat	agtgatttat	ttacttgcta
25981	aaatattttt	tgccacttct	gtttcttatg	tgagttgcat	attcgtatca	gtggtgtgta
26041	cattctagtg	gagttagaaa	ggacggtaaa	caaatgtatt	gggaagggtat	aatcttataa
26101	aagaaaaata	aaatgagatt	agagtgtatta	ggttgaagaa	taccattata	agtactgttt
26161	tcaggagatg	cttttttatct	ttggtttacat	ttgagcatag	aagggtggag	gctttctgag
26221	agaggaggat	tacaggcagc	ggggaccaca	gtataaacgc	tcttagctga	ggatgtgttt
26281	gatgtgtctg	cagagcagcc	aggagaacag	tgtgcctgca	ttagggaaca	ggaggggata
26341	gtgatggaag	agatcagatt	gacagtcaag	accagatctc	ttaggtaact	ggagtgtgga
26401	ctagggttaag	gagtttggat	tttatttgaga	acaagaggta	aaccttataa	aaaatttgga
26461	gagaaaacga	agatatgtgt	gtgaattaga	ataggttatt	ttatctggac	ttttggttgg
26521	tgaatgtagt	acaggctgat	ttcagcccca	ttttccctct	tagcctctct	aaagggtggc
26581	tgtatttatc	agtacagttg	ctaaactata	tacattgttg	ccttgaattg	atagagttac
26641	agctatatca	ttccggccag	tgaaaagaag	ggattgacaa	tgccaggggt	agatacaggg
26701	aaattcttta	agagatgatt	tcagtagtct	aggagaagaa	ggatgggtgc	taggtttaga
26761	ctactcacag	aaaagatggg	taggagaggc	tggatcctgt	aatgctgata	gaatttctgg
26821	tcaacttaga	tggggaatgt	gagagaaaaa	caggagttaa	ggatgaactc	aaattttatt
26881	cttaaaaattt	tgcatcttag	aagttttaat	ttgtttaagt	cttaaaccca	atttagtata
26941	tactctacac	gctttttttt	tatattctca	ctcatgttta	catagattgt	aaaacagggt
27001	tactctgggt	actgctttac	tcttatttta	atacttacta	ttaaaaacta	tagtctctct
27061	tgtgtctgta	atgttatcta	aatgtttatt	cagcagaatg	ctagtgggtg	aaaaacaggc
27121	cctaaaaata	tttttacaag	gggggtggga	gtgttttaact	ctagggaagta	ggcgaataaa
27181	gctgctgtga	tgactcgagc	agtgaatttg	ggaaaaagca	ttctgcaaaa	tgtcagggga
27241	tagcattgaa	aaatagcaga	gctgcttgaa	gcagattttt	cagttttacag	aaatttgggt
27301	ataaccaaag	catggaagat	gggaacaaat	ggcaggggaa	atctggctac	atgaactgaa
27361	gatcagtgct	gctgcagaga	gtccctgagt	cagctttggg	ttgtaccaag	gcatacaagt
27421	tatttgggtt	gacaagagat	tggaaatgtc	tgacaatgcc	cctttcttat	aatcttaggc
27481	agtatatatt	aaagctttat	tttgaatgta	gctttttatc	tttgttattt	attgtactta
27541	aatttatgtt	aaaggcaagc	actgggatat	ttgtgtgctt	aaactttggt	taagggcaag
27601	aactggagat	ttgtgtgctt	ggaacagacc	ctactctgcc	tccactttcc	atttaggtca
27661	gtgggcaatt	aatcttgcac	catgaaaagg	ttcagggttg	tagtgttttt	attgaccaac

FIGURE 1 (continued)

27721	ctttacatga	aagtacatct	accatgtagc	tggaaaaaga	tccttgataa	cttttctatg
27781	taccaccctt	agttttttga	aataggtaaa	ggaagaaaaa	gtgacagact	gagaatgaat
27841	aggcagagag	atggaaaaaa	cagtagagag	aagcaccagg	aggggtagat	tcatacagct
27901	ggatggtgaa	ttttgcaactg	atttgttttg	ctaacttaaa	acttgttggg	ttacataaat
27961	ttctattaaa	aaagaaaaac	ctgcattctgt	attaatttag	gcattatttt	tcttgatgac
28021	aaaaattctga	ataaaaaaac	tagttcccttt	taataaaggga	cattaaatat	cagttagataa
28081	tagcttttact	tgtagtttat	ttagagatac	tttcaaggga	taaatacttt	tctcatcttt
28141	ttgaaagtta	taatttggca	attgtttttct	gacaggaaca	tttgggttaca	tacagttagat
28201	gtatggttag	atacagtaaa	tgatgtttttt	gccaattttc	taactctctg	ggaacagaag
28261	tggagaatgt	tgaatcccat	tcccctgtta	cacacatttc	ttcacctggt	gaactcattt
28321	gtcctcagtt	ttagggcgaa	ttcctcacia	tttttttcat	aaacttccaa	tttaaaataa
28381	ctttctctgt	taaaaccttt	cactctcttc	gtgtgttga	acttattctt	agttttactg
28441	cagtttccat	tttaaattgt	ttgtggaatt	atttgccact	gtctcccttc	acaactgtat
28501	tgtaagaccc	atgaagacag	ggatttgattt	ttccaaaaat	gtttattgag	tgacttccct
28561	ccaaaaatat	ttattgagtg	cctactgtgt	atcaactagg	atttggggat	ctattaggtt
28621	tacattctct	tcaattccag	catttacttc	gtttaccatt	atgtctccaa	catgtagcac
28681	agtgcctgat	aaacagtga	tgtcagtatc	tggtgaaaga	ataaagatga	aagccctttg
28741	aggagtattt	gcagggtcca	aatgtggtgt	ggagtcaggg	gttaaactctg	tagttgagga
28801	acatgaactt	ctcctgaggt	tggggatttc	ttcccccact	tcaatctgaa	atttcccaact
28861	gtccctgttc	taacttttct	ttcaataaaa	acgagaactt	ccttagtggt	agatccattt
28921	tgtaaaactgc	gtctggggaa	tgtatgcagt	ttaaagtaaac	tgcaagataa	atcacagaag
28981	agttaatgca	gtagtgatca	ttttatttagc	ggtccacatt	aatagaatac	agcaatttaa
29041	attgtaatgt	agttaacttt	gtcctttttt	gggtttgtaa	ttaatctaaa	catccagcta
29101	tttatgttac	ttataattaa	aggtaggaaa	gccattagat	aactcatttg	ttcatactgt
29161	gtattcaatt	atctgattta	ttattttatct	agtttatgta	ctgagagtac	ataataaaaac
29221	ttataaaaaac	ctcataataa	aacttatttag	ggggcagtaa	atgaagaaaac	atgtttgtgtt
29281	cttgacagag	caggtacatg	gacactcaga	cattaaaatg	gagaccagga	aattaaagat
29341	cagaagcagc	atgtggaaaa	cattctgtct	ggggccactt	attataggaa	taaacagctc
29401	tgtagattta	gatgttctgg	ggaagtaccc	tatcattgga	aaatatggta	agtgatcatg
29461	agtcctcaag	aagaggttat	atttgttttg	tattctttgc	tttaattatca	catttgacag
29521	aatgatttgc	attattaaca	ttattaatag	aaagtgttta	gagaaagtgt	aaaggcacca
29581	tgtgttaatt	gactggaatg	ctttatgact	aaaaatgcag	agagtagttt	gtgaattttc
29641	aggaaactgat	cctattcttt	attaaagcgt	attgtgtatt	tctgaaaaag	cacacatagt
29701	atagtttaat	tcagactctc	tgagctgtat	atacttctaa	ttatatacta	gtttatgaaa
29761	ttactgagtt	ccttctactt	tgagaaattc	tggaattaa	aatgagttag	gattgttggg
29821	gagaggtcgt	tgaagctgac	aaaacactga	atgcttacct	tctgttctag	gtcacagtga
29881	aatcagactt	cactggggag	cagttttctg	atgaggaatg	tcatgaatcc	tttcagaaat
29941	gggaatgtct	ctgtgtttgt	ctctgtaatg	tagaggcatc	ttgagaggct	ggacttttga
30001	tgaattgtca	taagaactga	ccccatatag	cattggctca	gctttctaac	aagggaattct
30061	tatttccctgc	tacataaatt	ccccaaatga	aacattgact	ctttcagaca	taactgtacc
30121	cagtgcactg	ggctatactg	gagtatcctg	accctgtatg	gattttatact	gctgagaaaa
30181	tttaaaattgc	gttcaaaaaga	gagctatttt	atgaacatct	accttaaaata	tgcattcttg
30241	ttatgactaa	ttaatgcctt	gctatgtttt	tgtggagcag	tcttgaagaa	ccagggtggg
30301	aaccattcat	ttctaattgt	ttgtagctag	gaattagtgt	aattttgactg	tatacagagg
30361	gaggaaagag	aaagggagga	aggcagggaa	agaccagctt	ttccacagtg	acattcttca
30421	acagtatttt	ttgcoagcag	ctgatatttc	ttccctagtg	ctgtttcaat	gtgtatatct
30481	taagccctgt	aataaaattc	ttgctaattga	cttaaaagtga	tggaatttgt	acagggaatt
30541	gtaactgttg	gcttgattct	attttacaaa	ctggtttgaa	aaagagagaa	aatctcttga
30601	atattcattt	ctgcttaagt	ccagtggaaa	tctcagtaaa	atattggatg	tgcaagaaaa
30661	ctttacactt	taggatgagc	tgcattatta	tcttttctct	gcacataaat	aaaaacctta
30721	atccaacatt	taggttctct	gatagtgggc	gtttataaag	ctaccggggg	gagcatttat
30781	caagataaat	tgtggagatt	tgtgttctct	caggataggg	aatgtggcat	ttagaattct
30841	tattgtttag	aaagtcacag	aagatacttt	aaacattttct	taaaattttta	tttatgtaac
30901	agactcatct	tttcagggtta	gattttatgag	ataatttggg	gtccttcaact	acttttaaca
30961	ttttcttaaaa	attttattga	tgcaggagac	tcatctttta	agattagtct	tatgaaataa
31021	cttggaatcc	ttcttcaactg	ctctttttca	caaaccctgt	ttaatctgtc	catcaatgtt
31081	gtttagtctg	ccttagaaaac	atatttcaaat	ggatgacttt	ttacctcctt	tactaactgt
31141	ccttgctctg	atccacatgg	tctctaaact	agaaactgtg	tcagaacact	cttcaacaga

FIGURE 1 (continued)

31201	tttccctaatt	ttgtcccttgg	cctctcctgt	gatagcaacc	agggtaatcc	tgttaaactt
31261	gagtcagatt	atgagatgca	gtattgcata	gcagtttaaga	gcacagccctc	tggagctagt
31321	ctttctcggg	tcaaataatga	gctctgccac	ttaccatata	tttaaagggtg	ggcaacacag
31381	ttaaagttaa	tattggaaga	gcagtaatac	ttggattaaa	tgaattaata	gtatctatat
31441	ggtagacatt	gttattattg	tattgttatt	actgttattt	tagtagctat	tatatcatct
31501	ctttactcag	aatcctctac	tagcttgcta	ttacatttga	agtaaaaacc	agaatcttta
31561	caatgacctc	ctaggccctg	cacagtctat	tcattctgac	ttctgaaact	atctcatctt
31621	cccttgcata	gtctcttctg	gccattctgg	atgcttgctg	tcctcccttt	tcttccactg
31681	ccaatgtatg	aggcctgaac	ccagcccagt	catattctct	gtatttggttg	tttcttttta
31741	ctggaaagat	gtccctcaaa	tatctgcata	gtcacttcc	tttgcttcag	gtcaccctct
31801	cagtgaact	tggttatgtc	atccaagata	gcaaccatt	caagactccc	tgcgacactc
31861	tatgacactt	cgttctttat	ctttagccct	gaaagttaaa	tgcataattt	tgtttgtttt
31921	tttttttggg	tccctgtatt	ggaatataaa	ctccatgatg	gcagaggctt	atttttgggtc
31981	tcttgtcctg	tcttgaatgc	tgagtctcta	gaacagtggc	acatagtagg	cacacagtaa
32041	cattgaagga	attagtgaac	ttatggcacc	tgggttaattc	tctgtctaca	acctcatgtg
32101	gtatcatctt	tcccatgtat	accagtgatt	ctcttagctg	tgccccctgt	ggctgtgtat
32161	ctgtccatc	ttggcttcca	gctgtccact	cttaattcta	aatggtaatt	tgaattaaac
32221	catttctctg	cttttgaata	atgaaaacac	gaatccctct	ccatttctga	ctagcaaaat
32281	attctcatgt	ctttgagacc	cacttaactg	tttcttcccc	ctgcgggtatt	acctcaactt
32341	gtcttgattt	cttctctctg	tgatttatcg	ttgcccttca	ttgtttaacc	tctcatagg
32401	gctgttatct	agaatcagaa	ataccaattt	ttttattatt	tggcatacct	aggatgggtat
32461	tttttttagt	gtgatccctg	ttgagcgta	tccgcatctc	ttcatgatga	tacctggtac
32521	tccgaattta	ttccccagga	gtccccata	caaactgaat	cagaaactct	tgggggtgtga
32581	cccaacaact	tcttgtttat	acaagtattt	gggtagtgtg	tctagtcctat	gctaattgctt
32641	gagcaaggac	attggcattg	ttgtccagtt	tccagactgg	gaatatctga	gcacttgggg
32701	gattaagggt	ccagttgggg	ccagtgctgt	ggctcatgtc	tgtaatccca	gcacttgggg
32761	agcccaaggc	aggcagatca	cttgagacca	ggagttatag	accagcctga	ccaacatagt
32821	aaaaccctat	gtctaccaga	aatacaaat	tattagcggg	gtttgggtgtg	gagcacctgt
32881	agtcccagct	actcaggagg	ctgaggtggg	agtatcacac	ttaaacagtg	ggagctaatt
32941	gaatcagagg	tcattacgtc	ttaggagagt	ttttgtgaat	gtggcagata	gagcttctta
33001	ctgcatcaaa	atgggtgctat	aaagccaatt	atrtagaagc	aacattatgg	agctgtatct
33061	ctgttatttt	cagaattttt	atgctttgat	atatggaaaa	taccttttag	tcaattccat
33121	ctttttttaa	aaatcgcagg	tcactcttga	atcatagtgt	aaataaatag	tattttctcat
33181	taaagcatta	acatgtcagt	tcataataag	tttggttaatt	cagaatggaa	ccaaagaact
33241	tcattgtttg	gaatacagggt	tggatatccc	ttatgcaaaa	tgcttgggac	cagaagtgtt
33301	tcagatttcc	agttttttaca	gatttttgaa	tacaatcatc	tgttgcataa	cgacaaagat
33361	accttctgag	aattgagtca	ttaggcaatt	tcgtcattgt	agaaacatca	tagagtgtac
33421	ctatgtaaac	ctagatgggtg	tagcttacca	cacctagaca	atatagttta	cactactgtt
33481	tctacactac	aaacctgtaa	ggaatgttac	tgtaccgaat	atrtaggtag	ttgtccacaa
33541	atgggtatttg	tgtatctaaa	tatatctaaa	cataaaaaag	gcaaccatt	gtgctatgac
33601	tgtactata	tcactagatg	acaggaattt	ttcagctcca	ttgtaatat	atgggaccag
33661	tgttgtatat	gtggctcatc	attgatggga	acatcatgtg	gcacattact	gtatttata
33721	acacataatg	agatatcttg	gggatgggac	ccaagtctca	acatgaaatt	cgtgtatgtt
33781	tcataataac	cttttacata	taatgcaata	ttatataatg	ttttaaataa	ttttatgcaa
33841	gaagtaaaagt	tttcgctgtc	ctctccacat	taggtcagggt	gtagaatttt	acacttgttg
33901	tctttcagca	ctcaaaaagt	tttagtttga	atrttggatt	tctgggctag	gaatgtctaa
33961	cctgtaatat	gaattggtaa	agtctcatca	gggtcagtat	ttcatttatt	cagcactatg
34021	catatgacaa	gatatcagtg	taaaaaatga	aactataaaa	gtactgggaag	aaaaatatgaa
34081	taattatttt	ataattgcaa	catgtagaay	gcatttctga	agtgtgagaa	acaaaaacca
34141	gaagatgtaa	gaattaatgg	ccgatttttaa	aaagtcatag	aaaaataaaa	attctatctg
34201	gaaaaaaaat	catacaatca	aaacaaaagt	caaagataaa	tggtaagtgg	ggagaaaaatg
34261	ttcaaccac	aagggttact	tggaaatttat	tgttagagata	caatcttaca	tgtaaagaaat
34321	tacttgtgac	catcttttatc	aattgcagtt	ttttgatatt	taattttttt	ttttggacag
34381	cagtgcattg	gaaacagctt	aaattttttac	cagcatgctg	gttaaaataat	ggttcaattca
34441	tacaacagaa	tatttatatgt	ctgtactcta	tttggaata	tctcgaagaa	atacaaaaaat
34501	tttaaaaaaga	tgccgagtgg	aatagagagt	atgcacgtgt	atgagaagta	tccacttgtg
34561	catgcattaa	aatatctctt	aaagcataca	tcagaaccag	ttttattgat	atrttctgaa
34621	gggaagttag	ttaaatatct	ggtaaaagatt	atcactttct	acgtacacta	gtccaaaaat

FIGURE 1 (continued)

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34681 taaattacaa ataaggaaag atcagtcaca tatataaata tatttttttag atctccaact
34741 tggcacggtg aatgctagaa tgtttcttgt attttctggg atatactcca taaaaagata
34801 cctccttaca taaagatgag aatttatgac agttttcaac acagagtgaa taataaactt
34861 ttttgagtc ttgtggaat tccatagaag atgatatgtg tagttgtctt catcaaatca
34921 tcatttaatt ttatgtactg aaaatacata atatacagat tcaattttct agtaatatct
34981 tatatagcaa ctcaactcg tagaacaatg tggagaactt cagcaacttg ttggggagg
35041 attctgagct gccaaaactg atgctataaa actttcaaga cagtatgagg atgggctgct
35101 cctcaattta aatgtattca ttttatgcaa ggtagatgca atggaagata taaaatcaac
35161 tataaaaaatc atgttattat gtgttcattg caatgtggag taaagtaagc aaatatttca
35221 ctataattga agatggtaaa tgaaagtatt gacttctgtc catttttgtt cctgtttcag
35281 tcacaccaag ctttatcagg tctgtcttta attttgtgtg actcatccat ttattttcat
35341 tgctttaatt tcggcagact tgtacataaa ggctgtttat ttccggttat gaagaataaa
35401 atgttatctt gattcaggca cctcaccctt acaactttct cttagagcat ggcttgcta
35461 agcataagcc taactcaagc tttctgtctc agggcaactc tccttattca tatgcgaatt
35521 ggcaggaatg tattacctca gctgtgtctg gtttgtcctg gttcctgact ttactattga
35581 tccccttttc atataagcat tgaaaatatt tttagtgtct gtgtaaaata tgaaataaac
35641 agtaacagat catatgtgtt tcagcaagct acataacctt ggtatcagat ttctggcagg
35701 cagttcatat tctctaataa agcatttggc tagcagatgg gttaccccat cccactcaaa
35761 gaaggtttct cattcatttg tggaggttgc tgaaacctt gaaccttgg aattcagcag
35821 attaaagtcc gctctatttg tgaaggggca gatccatttt cctttgacat taaaattata
35881 tctagtatat acatttttat aacatttgaa gggatcaaat gtgttttcca agtcataaat
35941 tctggaaaat ggtcctatac tctttgtttt aatttttata aagataggaa acatactgct
36001 tttccaagat aatcttttca ttttgatatt tgtttattgt actttgtatt gatattgaat
36061 ccgactcctt cattaatctc cttctctatt tccaccccag ccagttcttt cccactaaaat
36121 catatagaga aaatctagta ttgttttctc ttcaaaatgta atgagttggt ggggagatag
36181 tgaatctttc ttcttttttt catgtagaaa aattctcaat cctcaacta ttcagtaatg
36241 atgtgattgc tagacccttg aacctactgg ttaaactcct tatttgtcaa aattctcctt
36301 aatttagcat cccaagctct tataattttc cacagatggg ctatacagat tacagtgtaa
36361 tcatcacttc tcttgtaag atagcttttg ttttgtttg tttggtttg tcagccatct
36421 cacatttttg ctcatttttg agtttgtatt caagtaaggc ccataacaca cttttttccc
36481 ccaacttttt aaagtcaagt tttactctga ttgaacctcc tcccgcctt gtgtgatcat
36541 tctttgtctg ttgaatttta ttttccctt ctgaactctg gaaagaattt gctgaaactc
36601 agtgtatagt ccttggtgac aatccagccc tttcatttca nnnnnnnnnn nnnnnnnnnn
36661 nnnnnnnnnn nnnnnnnnnn cttagcctcc tttctgaga agcactttat aaaatcattt
36721 nnnnnnnnnn nnnnnnnnnn cgacttatca tgctgccttc cagcttgtat ctgtaatttt
36781 gacctcttct gttgtgtttc cggccctga cacatcgatt ttctctgtg atcttgtatt
36841 ccatactaca aagaaatttg ctggccctga ccaatcgatt ttctctgtg atcttgtatt
36901 gttcattgtg aattaataga ttgtcatgca ctaagttagg caagtctacc ctctgagata
36961 tagataaagt cttaccatac tgaccaatga aaagttaggt tgcaagaagt acaatgotta
37021 atattcacta acctctagag aaggacttct caagctttaa atgtatacag atatcccat
37081 acgtgctac tgctgtctgt gctccgtaag ccacgcaagt cttgagaac cttgacaaa
37141 gtgcaatctt cagtttagta gcatcatctg agaacttgtt agaaatgcag aagcttagcc
37201 cttactccag atcaactgat cagtacagct gtaagttaga agcactgtct taagatcagt
37261 aattttttaa ggaccagcag tattggcctc atctgggaac ttgttagaaa tgttaattct
37321 caaaccacc acaggtctta ttgaatcaga atccctggaa ggttctgatt caatagaatt
37381 agtagctgtg gttgtacag cctacaaaat gatgctgatg caggctaat caaggaaatt
37441 ctggctctaga gtaatggctc taaaactttg ttgcacaata gaatcagcag gacagtcttt
37501 aaaattctct atagccatat catgtcttcc aaataactca aaatgctga ggttagaatt
37561 cagccatcag cactttttaa agatccaggt tttttttaa gtgcagtcac gtttggaa
37621 taataactaa attacccaat gcaaatggca actctggcag ctgttctctg ttatctcat
37681 gtcagaatca ccagctgat gccatgatcc catttccaga gatgtgact gaataattct
37741 gggatcaaaa attattttta ccttaattg ttttttatt taaaaaaga aaaactcact
37801 attttctata cactgttcta tgggtcttta taaatgcatt gagtcattgt tccatttcca
37861 gagtcattgt gaagagaagt tccatcattc aaaaaactt ctcttcacag aaccttttta
37921 ggttaacctt tctccaccca tcagcccatg caacctctga tttttcttt tatatgtgat
37981 ctagaataat ttatattgat ttattgtcta attaacagat tatttcttca ttgtcatcag
38041 gtccactgaa gagccaaagg catterttat ctctattact gtctcatatc tagtctctcc
38101 attttgcttc attctatatc ttccatctcc tctgtgaaa gttccatctt catcttgcatt

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FIGURE 1 (continued)

38161 gtcattccaaa ttttaatatat tacacatttgt tatttttagat tctgtgtcag atagtttcag
38221 tgtctgtgac atacctaaaca atcaactgggt tgactgtttt atttcttggc agtgtgttta
38281 ttctttcttgc attctgtatt gtgaaagtaa gtaattctaa atttaagctg cttggaaatt
38341 taaaatattc tgagcctaaa aggtgccagg gaagacctct ttctattatt gatcttcatt
38401 atagatcttc attataaactt tctccttacc tttcttacat aaaggcttca tgattatcac
38461 attgcctaca acggaatgtt aaatacactc atttaaattg gaaaggaaat gaaaataagc
38521 tgtaaagaaa acaagctgta gagaaaagaa aacaagctct aattaattaa attgtaactc
38581 attgaccagc cttggataga atttcttttt ttctgcctat agaagcaaga ccttaacttt

38641 taatttcaga gcactaacct atttctctga agtccatgtt tccaggatgg ccataatcag
38701 ctttttacct gaataaactc tttaaaactg gattctgac cttttgatta ttttagttag
38761 tcagtatgca tctctttttt atttaaaatg gccagtgtg tattatagt taagtacagt
38821 agacccctga acaacatggg tttgaacatc atgggtccac ttatactcag atttctctc
38881 acctctgcta cccaagaca acaaaaccaa tccctcctct tctcttctc cttcagtttc
38941 ttcaacatga agacgacaaa gatgaagacc tttatgatga tccattacca cttaataaat
39001 agtaaataata ttttctcttc tttatgattt tcttaataac attgtctttt ctctagcata
39061 ctttattata cgaatacact atataataca tataacatat atgtattagt ttatgttctc
39121 agttaagtct ttctgacaac agtgggctat tagtaattta gttttgggtga agtcaatgtt
39181 caagggtcaa ttgtacaggc tcaggtaaatt aggttttaca cctggaaatg agcactcttt
39241 tcttctctgt aggcctttag tgtggggatt gtgttaatct agtcagaggt tagtctgagt
39301 ttaaggtttg tagctatggt tacaacctc agtgaacctg tgatattgtg atttataata
39361 caaaatatat attcgctttt tgttcttgtt tctgttaca catctctga agcacttggg
39421 atcttcaaag tgatgactgg tggcttgtgg gttctggat gtctctgga agcccaaga tgggggaac
39481 tggttgctgt gagaatgaac cctgtgatta caaagttgta attttcaacc catccccctg
39541 atctccaggg agaggagagg aactaaaggt tgagtaaatc atcaatagt agtgattcca
39601 tcaatcatgt ctacacaaaa aagcctccat aaaaaaaca aaggacaggg ttgagagagc
39661 ttctaggttg ctgaacacat ggaggttctg gaaggatggt gcagccagag aagacgtgga
39721 agctccacac ccgtcttctc ataccttaca ctctgcatct ctccatttg gctgtgcac
39781 tttatccttt gtaaaaatgct ttacaataaa tgagcaaaaa tacgtgtttc cttgagtttt
39841 ataagccact ctagcaaat aacctgagga gggggatgca gtagtctctg atttatggcc
39901 agttagttag aagaacagat cacaacctgg gacttgtgac tggcatctaa agtgggtgca
39961 gtcttgcaag actgagctct gtgagactgt acattatcca ggtagatcat gtcacaattg
40021 agttaatacc aaggtggtat ctgccagaga attgctgggt ttatggggaa aaatttccac
40081 acatttgagg tcaaaaagcgt tctggaagta tgcagaatga tgagtgggt gtgaaaatgg
40141 aaaaaaaaca ctgttttatt ttctattct cacagaacca tatactttaa atttctctag
40201 cagtaacgta agagtaagag ctgggttctc agagggttt ctcatctct cttcaccatc
40261 agtcttaagt cttctcttta tattatgcct tagagtggct gtgttttcaa attcttgtct
40321 cactctcagc agtattgcag tcttacatgt tacatgacct tcttaactct attgtgcagg
40381 acatgtagag agtgttttgt tttgttctaa ttaagaacaa aataaaatgt cttagaacgg
40441 caccgtgtcc ctgggttttg ggggtgtggt cttctcaatg ctccacctc actcccaact
40501 gtgggtttgg gccaagtccg aattcctgcc tcttttaca gtggcagcat gttttttct
40561 gttcttcaac ccccatcttc aatgggttgt caccatgct ctgagttag taaactctta
40621 ttctgtgagg gacacagggg gcaggagtcc aggtgaaatt ttgcacgac acacagrggc
40681 tgtgtttccc ttctccagg cttgcactgt cagagatgct ttatcagaac tcttgcagc
40741 ctttatcggt acctgctggg atccctggag aagaatatgc aagggaataa gattgttct
40801 cctccctgta cctccagggg ctccataata ttttaccac ccacatttat gctgogccaa
40861 tttgttacct gtttttagct aattattct tctggtatct tctcataaca totaccocaa
40921 gaaagttagt gottgggtcc gtctatccct gcagatgct gactctttt atattttat
40981 cttattagcc accctacaag ctacagctct tgatgggttc aagaaaagcc atgaactat
41041 agtttgttca tttcttttg ctctagagg tgtgtgtgat aacatttcca gotttttaca
41101 ttccaaaagca gaaaaccagaa gtctggattt ttaaaagcat ttcagttcat ttaattgtgc
41161 atccaatctt gaaaaaccatg gctttttagg aataatcttt gaaggcaacg atattcttca
41221 agtcagaaaa tgtgtgcctt gctttttgct gttcatgta tattaactca aatataaaca
41281 ggagatccta ctttttagtag attaattaat gacactaagt taatttgct ctcatgtct
41341 tcttcccat ttacctgttt ggttcaggac cttttatgag gctatttagt tgattttatc
41401 acattgacat tctgttattt attgccaac taagtgtata ggtttctagc tccaaaacaa
41461 acaaaaccaac acacaaaaga caaagaaagg gaaagatgaa gaaaagataa taactgaaat
41521 gtaactatca atttttcaaa ccagagaatg atcaaacaaa aataaattag tggaaatga
41581 agaaaacaaat gagaaggga tgaagtgcac atatatcttg taatcagctt gtcataata

FIGURE 1 (continued)

41641	catttgaaga	aagaatatgt	caggtatata	tttttccaag	tcaatatacg	agacgtaaaa
41701	tgagaaatgg	ccaacttcat	aaaattacac	atctcttttc	cattataaga	atactggaat
41761	aaaaattaaa	agttagaatt	accttattta	aaacaaaaaa	aaaaccagag	attcaaaatg
41821	aatgatcact	taaaatactc	cttatattgt	tctacactgt	gttttacaaa	tagaacttcc
41881	agtgttagtg	attctttattt	ctttgaaaaa	tgagacctag	gccgagcatg	gtgggtcatg
41941	cctgtaatcc	cagcagtttg	ggaggccaag	gcaggaaagt	ggtttgaggt	caagagttca
42001	agaccagctt	ggccaacatg	gcaaaaccct	atctctacta	aaaaatacaa	aaatttagctg
42061	ggtatggtgg	cacgcacctg	taatcccagc	tactcgggat	gctgaggcag	gagaatcgct
42121	tgaacccggg	aggcagaggt	tgcagtggagc	caagataaca	ccactgcact	ccagcctggg
42181	cgaaagagca	agactccgtc	tcaacaaaaa	aaaaaaaaaa	agaaaaagga	aaagaaaatt
42241	gagacctttt	agttaatttc	ctatagaaat	tatttttgag	aaattactaa	aatttccctt
42301	attattctcc	tttcagttat	tatatagta	tattaaaggt	actattttctt	aatacactaa
42361	cattctcagt	tttagaaaact	tcacttccca	gattcttcta	tcttcacata	tctaattgtg
42421	actcagaaaa	ttatctgaca	aacatctaac	cagtattgta	ggagcatcta	aagacactaa
42481	agaagaatta	caaaacaaaa	atcataagga	tttttctgac	ttttgattca	ttttgcttct
42541	acctctattc	cttttcaata	taacacagaa	acacacacac	acacacacaa	atgcacacac
42601	acacacagat	ggctacacac	atattatttac	agataactga	tttatatccc	tgggaagtatt
42661	taaacatgaa	atgtaacctc	taattttatg	tacagtacac	tttcttctct	ctggatacta
42721	ttctattttc	tattccagat	acacacctaa	tcattggtgt	atatggaaaa	ttcataacaa
42781	aggggaagta	ttaaaaattc	tgaacatgt	ttctttaatt	ccaatttcaa	caaacctcca
42841	ttttcaccta	gctgtctagt	catatgctta	ctatttcaaa	attgggcaat	tgctataaaag
42901	tgtaattctag	gctgacttaa	taccaggagt	cattgatgtt	gtgaacacag	cttaaaataa
42961	cctcccaatt	taacaaaaa	ctgcttaaat	tacatgcgtt	aaaagtagta	cctttggtag
43021	gctcatgctt	taactgatat	caacaattgc	ccgagaatgt	ggaagtcatg	gaaccaaaaa
43081	aggagcattg	ccaattaatg	cttttacaat	ctgtgagcaa	tttggaacaa	ggcttccaaa
43141	tgtagacaag	aacactaaaa	acattcaaga	aactgctgat	gaacaaaccc	tggggtgtat
43201	agctacagtt	gggaatttac	catcattgtc	tggtcacact	aggctctctc	agccacagag
43261	aattgagggg	tcattgtgaa	atatatacat	tttatttttg	ttgattaaaa	ttttactagt
43321	ttgtatttaag	gtggatttat	taggtgaaaa	taaataaaaa	tatatattatc	caaaaagatgt
43381	atacatgaac	acacatagtt	ctctttcttt	gtgtaagcca	gtcagttgca	tctgggtgac
43441	tgcattctag	aaatcagagt	gcacccaaaa	gttcacaggc	ctccacagaa	gtaggggtta
43501	aaaaggcaat	tcaatctagc	ttcaagttgg	cagagtcaca	tcagtcocaa	gtctctctag
43561	tgatccacat	aagtgaagag	ttgtaataat	actgagctat	gaacaaaggt	aggaagaata
43621	cagagaataa	ttttctgtag	cccacttata	ctgggtccag	ataaccactg	tgcactcttt
43681	cctgactgca	ttgggagctt	gaattcagct	atgaaaggaa	gaatttagaa	catgaaaaat
43741	aacaaatcag	gtttgtttat	ttgtttctcc	cagagagcta	gtttattago	atgtttctag
43801	aatgtatgtt	tacaataaaa	aatgacatga	atgtcagtca	gtaaaaacttt	tagajacatg
43861	ctgtgcattt	gtgttccaat	tttgagagaag	cttatgctat	gaaaaactca	agccctctac
43921	tgaagaagaa	atgcaactaga	aggtctatct	aagggtgatac	ccacagacaa	aagctctattc
43981	ttattttgccc	agtataaacac	agttctctatt	gatgaagggtg	ctctatcaaaa	taggtctattt
44041	tgttaatttaa	caggttggca	acaatttgc	ataagaagta	gaaaagtaac	tgaattgata
44101	gtgaaattca	gtccctttta	attatctttt	ttctctacatc	ctgaagcaca	ttttctctct
44161	tcaaaaataaa	tgcgtctgctc	tttgccctgga	agtaacaaaa	tataaaacctg	aaggctagaa
44221	aattttgtgg	tcagatgaga	aagtcctggaa	aagctgctca	agtgaaacac	gtgtattcttc
44281	tttgcatgtg	atgatagaaa	cttcattgttc	atctctcgat	tttcaatttc	taggtctctc
44341	caattcttgc	gtctctctatt	ttcttgatttc	ttgtctctgaa	tttaacctcaa	gtgtgattgaa
44401	gaaatctctg	aatttttattc	ttggagcttat	gtgttaattgt	tggaacctag	aattattcttc
44461	gtaaatatttg	tgagagtttcc	cttgaaattca	agctttcttat	taattgtattc	gtgtttctct
44521	tagaaaaatga	atttcagccat	tacaaaaaac	tgtctgaaaa	agttcaacctt	aattctctctc
44581	aaaaatcacta	gtgtttccaa	cagctcagcag	ctgaagttta	aagtgcactg	gaaattctctc
44641	acatccagagt	tttgtttccaa	ggactctgga	aattttctagt	atccagataa	taattctctct
44701	tttttaattat	tgaattgtta	aaatttgatca	aaattccaat	agatgcttttg	agtcttagtaa
44761	ggccgttaaac	aaataaaaaat	catcaaaaaac	aaaaaaacctg	aaagcttttta	gattgtttaa
44821	gtttgtctct	aagggtgtaat	tagtaattgtt	atttatccaaa	tatttatggca	caactttctca
44881	aagcaaatca	ttcagaatcat	tattttacac	actctaaatc	tttgctacac	ctgaagttaat
44941	gatattgaaa	caacatttaac	aaacatttatg	tataccatac	acataatttta	gatataatcat
45001	aaagtgtatga	attatactctt	tgaattctctc	tattaaaaaac	atatactcaaa	gtattctgaaa
45061	tgaattcaaat	tgtaaacctct	gttaattgtat	tggttaaggt	ttctagctctt	cttaattctca

FIGURE 1 (continued)

45121	aaaatatata	atattttcaag	tcaattacta	cacttgagca	tgctgtatat	aacaggagta
45131	gagaaagaca	aaggagggt	ccatcgta	cccacaatgt	ataacagtgc	atctcttact
45241	ccttaaaatc	cctatttgtt	gatgccaaa	tttggaaaaa	agtctatgca	aagtttaaaa
45301	aaaattcaat	gaactccact	agtgaaccac	tatccccact	gaaccattct	agatgtccac
45361	atgcctagtt	gtcgcagaca	tacctgagtc	cagaaatgct	agaagctgca	agaattctag
45421	tctgggcatt	gataaagaaa	agactgcaaa	aatatattgt	ggattcccta	gggcctacct
45481	ttgaatggac	ttagccacag	acaaagctct	aggttcctct	tttagctttt	ccatattgac
45541	tcctgggtta	gggatagtga	aaacttacat	catagaactt	attttagaga	agtaaaatta
45601	gcaaaattgg	tgagtaaga	cctctgaaca	ttctctctt	tgtaaaagct	ttgagcaact
45661	ggcaaaaaat	agctttgtca	gaaatctgga	aattaaccaa	agacttgcag	taatctggag
45721	agtatttgg	gagaaatatg	gtttaatctc	aataaaaaaga	gcaagctttg	tgacatttta
45781	acttgcccta	ttttcacccc	actctccaga	tccatggttg	cctcaaaaat	caatagccca
45841	caattgcaat	gaacaccagc	agtcacgcag	ccctcagagg	aggcagaatg	ggattggaga
45901	tctgtcaaag	cctcattctc	aaaggactgt	ggtacattgg	aagatctgat	ttgcaatggt
45961	gggttttatt	gatctgtcta	tgaactcagt	cacaaaaaga	caaaaatagc	acaattccaa
46021	atctatagta	gtcaaaccat	actactatga	atctatctaa	agtagcgaaa	ttcatagaaa
46081	gtagtcaa	tcgtagaaac	aaggatatata	atagtgtatc	aagggtctgt	ggcatgagga
46141	aaagggaagt	tgtttaattg	gtatagaatt	tcagattttc	aagatgacaa	gttctgaaga
46201	cttgttttat	aacaatgtga	atatccttaa	cactattgaa	atatatactt	aaaatggtta
46261	acatggtaaa	ttttatgtaa	tgtgtttttt	cccacaataa	gaaaaaaata	ggaaaaacta
46321	ataccagctg	gctttttttt	ttttgcaaaa	attaacaagg	tgatccttaa	gaaaaatgtga
46381	aataaaaaaga	gactccaaaa	aatcaaaaaa	atattgataa	agaacaaaga	gaacatacat
46441	atcctgattt	caaaacttac	tatgagactt	ttgtagttaa	gatagtgtga	tactggcata
46501	aagacagcca	tacacatcaa	tcaaatagaa	ataagggtcc	agaaatgaac	ccctattttt
46561	attggcagct	gacttcaaca	atagtgtctga	gacaattcaa	tgtagaagga	agagtctttt
46621	caataactac	tactgagaca	acgggatatt	cacatgccaa	agaatgaagt	tgtatatcaa
46681	tctcatccct	gtataaaaaat	taacccaaaa	tgaattaatg	aataaaaaaa	cctaaaacta
46741	caaaaatctt	aaaagaaaac	agatatgtaa	atctttgtga	ccttggatta	gctaatagta
46801	ttttagatat	gacacttaaa	acacagaaac	aaaagaaaaa	aagagacaaa	ttggacttct
46861	tcaaaaactaa	aaacctttta	gcataaaaag	acactattga	gaaattgaaa	aaccaatcca
46921	cagaatgggg	aaaaacattt	gcaaaatatg	atatatatat	ttttcatggt	attcatgttt
46981	tttctctctc	ccaagtgaga	aatattaatt	ccttcattaa	aatttttgat	cctttttatc
47041	gactatatgt	caatataaat	aatatgtcaa	taaaaatggt	tctatcaaga	acaattaatt
47101	ctgtaatccc	agcacttttg	gaggccgagg	cagggtggatc	acgaggtcag	gagatcgaga
47161	cctgaccgac	atggtgaaac	cacatctcta	ctaaaaatac	aaaaattagc	cgagcatggt
47221	ggcatgcacc	tgtagtccca	gctactcagg	acctaaaggca	ggagaatcgc	ttgaacctgg
47281	gaggcggaag	ttgcagtgg	ccgagattgt	gccccctgcac	tccagcctag	gtgacagagt
47341	aagactgtct	caaaaaaaaa	aaaaattaat	tcacagaaga	agggagaag	ttcatatat
47401	tcataatact	tgaaattcca	ccatttaaaag	catgcaatgc	aatattttta	gtacattcac
47461	agaaattgtg	aaccataaaca	aaactctaat	tttagaaaag	ttttattttt	cctaaaagaa
47521	acacttgrat	ttattatcag	ttattcctca	actgcccatc	caattttacco	aaccttagta
47581	atctactttc	tgtctttttt	cctgaatata	tatatgtata	tatacttgac	aagagtttag
47641	tatagagaac	atataaataa	caaatacaata	aaaaaattaa	tccaattttta	aaatgagtaa
47701	atgatttgaa	cagacatttc	tacaaagaaa	tatacaaagg	gacaataagc	acatgaaata
47761	cantcaacat	cattagtcac	tagggaaaatg	caaattcaac	nnnnnnnnnn	nnnnnnnnnn
47821	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
47881	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
47941	agtaaatata	tggaacaaat	ctaagtatgt	atcaacagat	gaatggataa	aggaaataat
48001	gagtaacacac	ataatggaaat	attattacac	cataaaaaag	aaggaaatcc	tgtattttgc
48061	acataataaaa	tgggttacaa	tggagggttac	taggttaaatg	atataagcca	tgcacaaaaa
48121	gacagtatca	gatgggtctca	ctcatatatg	gatattctca	gttttctctt	tgtttctgaga
48181	ataacotaaa	acottgcaaa	atatctaaat	tttttttatct	aaattaaata	taataaatct
48241	tacccctacag	attataaaaga	gccagttttct	aatttttaaac	gttcattccaa	aagtaagttt
48301	agaatacaca	ttccatggaa	ggaatgcgac	aaaattggtt	ctaaattaat	tcagggtttt
48361	tagcatgtct	aaatggaata	cgggataatt	atgggggtatt	ggaaacattc	taaaaattgca
48421	taattgggat	gactgcacga	ctctgtaaaat	ttaattaaaat	tcattgaatt	ttacacttac
48481	aaatgtttat	ggcatgttat	ataaattatg	ccctaacaaa	gctgtgtttc	ttaaaagggt
48541	tacttaaaac	actaaagata	tacatctgtg	tatatatttca	tatgatagtg	acctatgctt

FIGURE 1 (continued)

48601	ccataaaaca	gttgagttgt	ccttaaaaaat	accacataaa	aaataagaat	gttttgcttt
48661	attaaatga	acatatcctg	aattctggac	ctttaccaga	gctaacctta	attaagagtt
48721	taggaattgt	gttacagaat	gggcatcata	tttcaaacca	tttacaacca	gtttaattca
48781	ttctcccagg	ccctagatta	caattttcaa	ctagattcat	tactctgtat	aaacttttta
48841	aaaagggtgt	tgttttttaa	aaataagaag	ggtaaaaaaa	atcttcttat	tggcttcaat
48901	tgctcatccc	tctttaacct	cctggttact	ttctcatgac	ccctaggttt	tttccacagg
48961	atagtcatgg	taggtaatga	tgcagaaaat	gttaatgact	cttcttagac	aacaacttgg
49021	ctgagtgggc	acccatgttt	tcagtttagct	ggctgttctc	acaggagatg	tcagaaattt
49081	tatctgtttg	tttccattat	atatcccaaa	cactaacagt	gcctggaaga	cactgtgtct
49141	tccattaaaa	ttttattatc	ttttctgtca	agctgggtcc	taaagtatca	tctaaatcaa
49201	caaactcaac	ctcaagcagg	cttttaggtat	atcacagtgt	ccttcttctc	atgagaaaaa
49261	aatagggtccc	tactataacc	agttgtccac	aaggacaaat	attagatagg	gggccggagg
49321	tgggggagtg	tgatgcgaga	gtgatggtag	agaaaaagttc	ttcctaaaaa	ccaaaaggaa
49381	gcttgaggat	gtaaaaatcat	ttctgactca	catgtagtaa	ctcttacaag	gagaattctgc
49441	ctcagagcca	aagtgaanaat	gtacatgtgg	caagttaag	ctgactaata	tgggtgtttg
49501	aaatccatgg	taatttttaa	ccaaaacata	cccagtattt	attctacaga	gctattttta
49561	tgaacttggg	attctttttc	taagtgtaaa	aaaaataaca	aatgctgtag	aaaaattccc
49621	agtacactat	ggctaacact	tgccttacca	tacttcatct	tgcanaatag	gtaaccacaa
49681	gcagaactta	atatttttgt	taaaaatata	caggaaaatt	ttacagatgc	aagtgttatg
49741	tatcttttga	aaatttttaa	gtgtgtacgg	cactgggact	tcattatatt	aacatctatt
49801	ttcatttcat	aattttatac	tttcttattt	atactaattgc	ataaaaaatat	tactcttatt
49861	ttcatctgca	aataatttgt	gtctttatat	tttcaaatg	agaaaaata	tgtaaaaaga
49921	ccttcctaag	ttagaggga	aaatttcattg	ggacttaaaa	tgagcaatca	ataacaaaaa
49981	caataagac	acagaaaaata	aaataaaggga	agtagtaact	aataactcat	gacaatttga
50041	tgttattata	aaattataag	aagatggcaa	aaaagagtgg	atattttaat	taggagagtg
50101	aaatattaca	caaaatacat	ttacattaaa	aaggttcttc	tttcttagta	acacaggctt
50161	tctaattgtc	cacttgtatt	tataactttg	cgtggtcttt	tttcttctgt	ttaaccagaa
50221	tccattaaat	taccctgtct	aatagtaaag	ctcactatga	tctttattct	taactcaaga
50281	ctaaagtatg	aatttcacaa	aaacgttagc	tcttgccatg	ttgtctcatt	agtggttatg
50341	gtaattcatc	atctttaatt	acatcatctc	agaccatagt	tgatataatt	tgaatctacg
50401	tccccacca	catctcatgt	tgaacgttaa	ccctcagtgc	tggagggtggg	gttgggtggg
50461	aggtgattgg	atcatgagg	cagtttctaa	tggtttagca	ccatcacctc	agtgatgttc
50521	tcattataga	gttctcatga	gatctgattg	tttaaaaagca	tgtagcacat	cccctcactt
50581	cctcctgtct	caatcatgtg	agaccttcat	tcctcctttg	ccttctgcca	tgatcctaag
50641	tttcttgagg	cctctccaga	agccaagcag	ctggccagca	tcattgtttcc	tgtacagcct
50701	gtgaaattgt	gagccaacta	aatctctttt	ctttataaat	tatgcagtct	caggaatttg
50761	tagcagcaca	agaactgatt	aatacaatag	ttttataact	agtaatatct	acttttgcct
50821	cttttttttt	attatacttt	aagtttttagg	gtacatgtgc	acaacgtgca	ggttagttac
50881	atatgtatac	atgtgccatg	ttggtgtgct	gcacccagta	acttgtcatt	taacattagg
50941	tatatctcct	aatgctatcc	ctcccccat	cccccaactcc	acaacaggcc	cccggtgtgtg
51001	atgttccctt	tcctgtgtcc	atgtgatctc	attgttcaat	tcccacctat	gagtgagaat
51061	atggcgtgtt	tgggtttttg	tccttgcgat	agtttgctga	gaatgatggt	ttccagcttc
51121	atccatgtcc	ctacaaagga	catgaactca	tcatttttta	tggctgcata	gtattccatg
51181	gtgtgtatgt	gccacatttt	cttaatccag	tctatcattg	ttggacatct	gggttgggtc
51241	caagtctttg	ctatcgtgaa	tagtgccgag	ataaacatac	ctgtgcatgt	gtctttatag
51301	cagcatgatt	tataatcctt	tgggtatata	cccagtaatg	ggatggctgg	gtcaaatggg
51361	attttatagt	ctagatccct	gaggaatcac	cacactgaat	tccacaatgg	ttgaactagt
51421	ttacagtccc	accaacagtg	taaaagtgtt	cctatttctc	cacatcctct	ccagcacttg
51481	tgttttcttg	attttttaat	gatcgccatt	ctaaactgtg	tgagatggta	tctcattgtg
51541	gttttgattt	gcattttctc	gatggccagt	gatgatgagc	attttttcat	gtgtattttg
51601	gctgcataaa	tgttttcttt	tgagaagtgt	ctgttcacac	ccttccacaca	ctttttgatg
51661	gccccatttg	ttttttctct	gtaaaattgt	ttgagttcat	tgtagattct	ggatatttagc
51721	cctttgtcag	atgagttagat	tgcanaaat	ttctcccttt	ctgtatgggtg	ctgggaaaaa
51781	tggctagcca	tatgtagaaa	gctgaaaact	gatcccttcc	ttacacctta	cacaaaaaat
51841	aattcaagat	ggattaaaaga	cttaaatgtt	agacctgaaa	ccataaaaagc	cctagaagaa
51901	aacctaggca	ataccattca	ggatataggc	atgggcaagg	acttcatgtc	taaaaacacca
51961	aaagtaattg	caacaaaagc	caaaaattgac	aaatgggagc	taattaagct	aaagagcttc
52021	tgcacagcaa	aagaaaactac	cacacagagc	aaagggcaac	ctacagaata	gtaatatctc

FIGURE 1 (continued)

52081	cttttttaaaa	caataattcc	ttgtcaataa	tttttttttg	aaatggagtc	ttgctctggt
52141	gccaggatgg	agtagagtgg	cgcaatctcg	gtcactgca	accttgctcc	tgggttcaag
52201	caattctctg	cctcagcctc	ccaagtagct	gtgattacag	gcacctgcca	ccacgcccg
52261	ctaatttttt	gtatttttag	tagagacagg	gtttcaccat	cttggccagg	ctggtcttga
52321	actcctgacc	ttgtgatcca	gtgcctagg	cctcccaaag	tgctaggatt	acaggcgtga
52381	gccaccgtgc	ccaaccatat	tttaatacat	catctacaaa	tataaatctc	agctctttaa
52441	aaagtaattg	aatatagatt	ttaaaatcca	cagggtgttt	ctcctaccat	tcagtaaaca
52501	tgacaaccag	atcatcttga	tcagcatagt	gttccatgac	ttcttttcatt	aatctcactt
52561	tctggccccc	tccaatacta	ttaattccat	caccacctct	ccattcttct	ccttgacca
52621	ggacctataa	acaaaatcaa	catttcattc	ctgagcaaaa	ctcaaattat	gaaagtacta
52681	tgaaaaactt	aaagacatca	tcaacttgaa	cagtactgta	ccgtaaccac	tcttctaata
52741	tttcatggaa	tcatgattct	agaaaaaaa	atctagatgc	ctaaatcaga	tcataattct
52801	tcaatgttat	ccatcccaa	aatgcccttc	tcaattttta	ccatctcaaa	agttgtgagt
52861	ctaataccaag	gaagtagacc	cagaaagtat	ttctcacatt	acatcatttt	attcctattt
52921	gttttagacca	taaagaagaa	aaatgaataa	atttcccata	tcactttttt	ttcaattctgg
52981	caggaaatct	ttatgatcaa	cattgaagct	cagtgaactcc	ttgatgaggg	gcctttaagc
53041	aattttctta	ctgaacccaa	atgggttttt	cagggaattg	cagagggcac	caagaaaaaa
53101	atcaccttct	ttaccttata	catcttaaac	ttatgtaatt	gtctaaagct	taataaggat
53161	ttttcaatgc	aagatattgc	ctaagtatga	ttaatTTaaa	tttgatttta	attaccctgt
53221	accctttctc	ttcactattt	gcttgagcct	cagcagctgc	tccttgaatt	ggaaatgcac
53281	gatgacacac	tgactctaag	ggaacagaaa	gtgcaataca	cgtcccttcc	cccacacaac
53341	acacaccttt	tctcttcatt	tcacaaaaac	aaagtctgaa	gttgccatta	taatgatcta
53401	ctaagagatc	tgggaaatta	atggagaatg	aaattaaaaa	taaacacaca	agaaaaggat
53461	aaaataaaaat	ttaataataa	ataccactag	ttctaacttt	acttaatact	gagccggaga
53521	taaatcttgc	tggcaaagcc	tgtggggctc	ccagcctcaa	atgtcctggt	ataacttatc
53581	acttcctatg	tggcaggttg	agggaataac	acaacccaag	aaaactcaag	ctgttttTga
53641	tctggattca	aactaggcta	atctagaagc	attaatagta	cttgctctaa	aaattggcct
53701	cctctggccc	tgagatttgt	tccacaaccc	atctggaatc	cctaattccta	atgcaacatt
53761	ggacccaacg	acatctgaga	gtctactctg	tgcaatacac	catgttaagc	accaccctct
53821	atgtttctttc	cactacacta	gtggttgtca	aatttcagtg	tgcatctgaa	tctcatggaa
53881	gccttggttca	aacacagact	tcagggtatc	actcccagga	tttgtaattc	agtcggctctg
53941	agggggagcc	tgattatttt	ttctttctta	tcagtagcca	ggcaatgcag	atgttggtgg
54001	tctgggggtcc	acactttggg	aaccactgca	ttacatgagg	agagagcaaa	aggatcataa
54061	actccagtaa	gttaagtggg	gatggggctc	aagatctgat	attatacttt	atatagttat
54121	ttgccttggg	acaagttttc	ctcatccaga	aataaagtag	tatctacctt	acatggttca
54181	tatagtgaact	taacagcata	tcatatataa	agttccttac	aagggtgcct	gcacataaga
54241	aacattctac	tctctctcca	ttctgaaccc	taacgattcc	ccaactagat	ttcagcatta
54301	ttttatctcta	atttttatttc	cacagtgtct	cctatcagtg	catactgcta	cattttccat
54361	ctatcatagt	aacatatttc	taacatgttt	ttcatttata	ctatatTaaa	catctagttg
54421	ttaccactac	atctcttttt	cagcaaaagt	tagctgttta	ttagctgttc	tatatTaaaca
54481	cttagctgtt	ctatatTTac	atctatactt	agtattccag	tgggtatttta	ataaaaaacta
54541	ccctttttaat	atactacata	ctcaaattgga	tcagtttttc	tcocaaaaagt	aatctttctt
54601	cttttttaaa	aaaaaaagtt	tttgcttttt	gtgttccctac	ctagggtatct	ccttggtttct
54661	ctcttatttg	tagaaaaagac	ttggctgaca	gatccttctt	tcctattaaaa	aaaaacaagta
54721	agtaaaataaa	atggcaggcc	tctcatagct	gagtttaata	gttctatccaa	tttcccccag
54781	tttccctctga	tcacttgTca	atgagatgtt	cacctggaga	taagttttct	aaaatgcttt
54841	ggttaaaaaat	acattaacaa	tcttcccaaa	tacctctaaa	tgaaaaacaaa	caaaacaaada
54901	aaaaaaagcaa	aaacaaaaagc	aatctctcaat	aatagacaga	aaaggcacc	tcttccacatt
54961	tgcttctaat	tccctgcaaa	caaagaatca	tccctacgata	gcacaaaccca	ttacagaaaa
55021	aattatgcag	tcagtgaaaa	aaatccctgc	caaatcttat	ttacattgta	tttgtagatg
55081	acctgcccaga	agaaaattat	atatatatat	gcacaaatcac	attaaactttt	ttttgctgtt
55141	ttatagagta	tattttatata	aagcatttggc	aaaaattcag	aaatttatgt	ttgagtggca
55201	cagcatattt	ttatcttaat	tattacaggt	gcataaatag	tgcatatttta	tggggtacat
55261	gtgatatctt	gatacaggca	tataatgtgt	aatgatcaaa	tcagaataact	ttggctatcc
55321	cctccacctca	agcattttacc	accattttctt	tgtgttagga	aatatttaata	aagccaaaaaa
55381	ctacatgaac	taacagtaat	tatgtaacca	aatgctatct	tcttgttgag	gattacagat
55441	tgtactgtctg	ttatgaaaaa	catacttttag	gcacacatta	taggatcttcc	atagggtTaaa
55501	ggatatatacca	taccttcaca	gtataaattga	aatattttggc	tgaatgcata	aatcgatgga

FIGURE 1 (continued)

55561	atccatcact	ttcttttgtt	gtacagtta	tgactaataa	tttatctgca	aagacaaaag
55621	gaaacaaaag	aagggtttacc	aagatatcaa	atgctcacat	tttacaactc	actacagtaa
55681	ttgagacctc	actaaaaccg	tgggaatatt	ctggtttact	tatctacaca	agactaaaca
55741	aagagctgtc	gaaaaaatag	atgactcaaa	ttggttgtat	tactgccaaa	tgatgaacct
55801	tcaaatgaca	attatttcaa	cgcaaaaaag	tatatgtatg	attaagaaaa	atcatgccat
55861	caataaagta	tttcaatatt	gagaaaaact	tccataaaat	gaactttata	atccatgatt
55921	aagattctct	gacattatct	aatcaacaaa	cttcaacatc	atcgataaat	cattcctgat
55981	ttatgacatc	accagtgagg	agatcagcaa	attacattca	tcaaaataat	gacatacaca
56041	aaaaaaacag	atacaatcat	taaatctgat	tctaattttc	taaaataaat	tgtgacaact
56101	gggagcaa	atataaaaca	aaatctta	ttttttctcc	tatccgggat	tgctttttca
56161	tgaaaattct	tacaagcgac	aacattattt	attgtgtttt	ggtttctctt	taaagaataa
56221	atggaatcaa	aataaccact	gccttagtaa	atatacaact	attagctacc	atttttataat
56281	gaaatattac	tttcaatcca	acataacact	tcttttttagt	aaaattagat	agattttaagg
56341	aattgtctca	aaacacctac	ataagctact	acagataatg	attattttta	ataggaaaag
56401	gcatgttggg	aaaatgcaca	aaagaaacaa	gtgcatcaac	aaatgccaaa	agggctggaa
56461	catttttttt	taactgaaga	tttagaagga	cctacacact	aagaaagcaa	aactaacatc
56521	ttttcaatat	tctctgagta	acatcatttg	tttctcactt	gccctctatt	tataagaaaa
56581	gaattcaggt	tttgagtatc	ccctaagcaa	caatcaccaa	acatggcaat	aatgcattat
56641	aggaatcagt	taaaaattat	agcagatgaa	ccaatgtatc	tatctgtcaa	attttgaaag
56701	taactacaat	aaaatataag	taagtacaat	atacaaagaa	atactaaatt	caaacattca
56761	atagtcaacc	aaaaaaaaata	atttccatga	agataaacat	caacattctt	agattttttt
56821	ctaagaaaaa	ggtattttct	ggccaggcac	ggtaggtcat	gcctgtaate	tcagcacttt
56881	gggaggccga	ggtgagcata	tcacttgaga	gcagcagttt	gagaccagcc	tggtcaacat
56941	ggtgaaacct	catctctact	gaaaatacaa	aaattagtcg	ggtatggtgg	cacacacttg
57001	taatccagc	tacttaagag	gctgagatag	gagaaatcgt	tgaactcggg	gggctggagat
57061	ggtagtggc	caagatcaca	cggctgcact	ccagcctagg	tgatgaggcc	ctagtaaagt
57121	tattttaaga	atacttttta	aaattaacta	tttaaaaaag	ttttcattta	taaagtttca
57181	aacagagctt	aactgattat	gaaaatttaa	cattattcag	agtaaatttc	aaaataggga
57241	ataccacatt	ttatttttata	agaacaaaag	gcttttttaa	gtctatctgt	aataaaaatta
57301	ctctatttta	agttacattt	cttaaatgtg	tctatataaa	tcataagaat	taactacaag
57361	tttcagtttt	tactggatgg	attttcacac	ttacaattcc	agtataaagt	taacagcaag
57421	gattttcatc	tccttaatat	gaaaagttaa	ggtggccaga	cccttgagta	gacaaaaatg
57481	ttaccaaatc	caatgactca	gaaggcaaa	cttaatcatg	tgtagtctga	ccatgtccag
57541	caatccctatg	ccaaataaga	actcctactg	tttcagta	attgctcttt	ataaataacc
57601	tcaaccaa	cacaaataca	taattttgtt	aaagaaaggt	ctgggttagta	atattacaca
57661	tgaacagctg	tttccctctaa	ggtgctattc	agtatcatga	ctatgataag	aaaaaaatct
57721	tagttggaga	aaaaaaatag	tggtgacatg	tatcacccac	atgctttttt	tttaaccaat
57781	caagaattca	accatctcac	catttatgaa	gtattactgt	tagaaaacgt	aacctaaact
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57901	acaaagatat	ggtgacagga	aagagatgtc	agcaataaaa	ttcagaacat	gagaaattct
57961	ataggacaaa	tgattttatgt	aatcgatggc	aaaagacaga	aaaggggaagg	gaaatatata
58021	gaatattaac	ataagagaca	tttcaacaa	atgttagtca	cggacctgag	ttgggaacctg
58081	atttgtaaaa	gotataaaaa	agcattttgtg	agaaaaatag	agaaatttga	acactaattta
58141	ggtatttggg	gatgtttgaga	aattagttta	tttttttagca	tgctaatttc	atttactttt
58201	tttttaaaaa	gagtccttat	aatttagaga	cacataactga	agtaataccc	tatcaaatga
58261	tatcatgccc	gcaatctgtt	ttaaagttaa	ttggggtaga	tagattaaaa	caagactggc
58321	catatgtgat	aaataactgaa	actgcatttt	ttgttatgtt	taaaaatccc	tataatttat
58381	attttttccat	ctattccatto	acttattcag	tcaacacata	ttttccaaagt	actatgttta
58441	gttactccatt	gttgcatata	aaacaaaaat	tcagtgttaa	aaaaacataaa	actttatttt
58501	cgtatgggttc	agcaatatga	gctcagctga	atagttcttt	ttattatttta	tttaaaatttt
58561	atatttagatt	cagaggatag	aggagcgtgt	ttgttcacata	ggtatattgc	atattgggtg
58621	ggattttggct	tctagtatat	ccattaccca	catagtgaac	actgtaccca	acaggttaact
58681	tttcaaacct	tttcaaacct	ctcccaacct	cctgcttttt	ggagtcccca	gtgtctattt
58741	tttccatctt	tatgtccatg	tgtaccattt	gttttagctcc	caactataag	cgagaacacg
58801	tggcattcgg	ttttccaaagt	tagctcacat	aggataatgg	cctccagctc	caattccact
58861	gctgcaaaag	acaggatttt	attttttttt	aatagctgtg	tcatatccca	togtatatat
58921	atatatccaca	ttttctcttat	ccagtcaacc	actgatggac	tttttaggtg	gttccatgac
58981	tttggtgttg	tgaatagttg	tgaataaaa	ttatgagtat	aggcgtcttt	tttatgtaat

FIGURE 1 (continued)

59041 gactttctttc ccttttgagta gataccacgt actgcatggt ctgaagaata cttctcaaac
59101 gaagaaatac gagtggccaa gaaatatatg aacaaatcct caacattact aatcatcaga
59161 aaagtgaata tcaaaaccac attgagataa ccatttcaca ccaatcagaa tggcttatgt
59221 gtaacaggtc aaaaaacaac agatgtttgc atggatgcaa agaaaaggaa cacttacaca
59281 ttgcttgggt gaatgtaaat tagttcaacc tccatggaaa atagtatgga aagttatcaa
59341 ataactaaaa atatagaatt cctataaaga cagagtacaa ctttatgtaa aatctctaaa
59401 cttccaatca aaagaaagat agaaaattat gcaatgtaaa tcttttagca gactgacaca
59461 tctaaggata aggaaagata aaatgtacag agttctttta ccaaacagta ttataattta
59521 aataactata attaatatct tttccaatcc accctccaca agccaaatga atgatacagt
59581 gagatgacta aggaatgggt cttcaataac aggcacctgc caaccactaa taccaccaat
59641 ctataacagc aaaagctatc tcattttctt cgtttcagca agatacctgg caccatgagg
59701 ttaaaaaaac aagcaaatgg aagctcatca gttagccaat gtaacctcta ttgccacctt
59761 tggactctat tagataacag atcaatacag ttcccatgaa taagaaacag gtgatgcac
59821 tatacagtgt ggtagatttg aacaacaact taccaaatga aaatcagtg gagactatgt
59881 aatcatcttt acataatcct ccaaaatgcc tatcactaca gtaagattta ataaatatatt
59941 gttaaatggc tgtatatatt gctctgtctg aaaattcaga tgaatttcat aatttcccca
60001 aaaatcaaga agtcaatttg tttagaaagg ccaaaacatg ctatgtcttc aaagctctag
60061 aagaaaaaaa aaatgcattg ttggagtcac ttttttctcc aaatagctgt tgatatctga
60121 acacaattta ccaatattca gtggtgacac aatttttcta ttcaaaaaa aaccatgggt
60181 ttaaaacaga aagtgttttt gctaataat cctgtcacca aatgctaag cagcttctga
60241 agtccatctg aaatcctttt tttttttttt ttttttgagac ggagtctcag
60301 tggcactgaa atcaattttc ttaatgaggc catcacagtt aaataacag aatagccag
60361 ctgcctttta tccatatctt ctcaagtaac ttaaacaca gttcttaatt ttaaatggc
60421 aacaataaaa aaaaattatt gtgccacaga agtaactgtg agtactactg tctcattcta
60481 caactaactg attttatgac cagacatgtc ttttatctgt aaagattact gtttctcaac
60541 tttctactaa agaaaaatgt tttcgtagta aaagcataat agagatgttg agaaacttct
60601 tctgcaaaaag gtcaaatagt aaatatttca ggccttatgg gccacatata ctgtctaata
60661 caatttgatt ttttccttat ttttttcaaa ccttttaaaa atgtaaaaaa catttgtagt
60721 tgtctggctg gctgtgcaaa aacagccaag ggccagaatt ggctaagggt tcataagttt
60781 gctacttacc catatagttg gccatatgga tctgaaggca aagtaaaagt taaatcccag
60841 ctctattatt tcttcttggg ttgtacttgg tcagttactt aaactctgcg tctcaactgt
60901 aatatgtctg taatagcaat tacctgacag tatttccatg agagtaaaat gagttagtat
60961 atataaagca gtgcacacaa actcctacat atgtgttagg cagcatctca cacatatatt
61021 caaaggatgc atgtgcaaga tagactgtag gtgatgtgca aaactcagcg agttataact
61081 cccatccctt tctctaccag agatgctatc cagattgttt ttaaaaaa tggaaaaata
61141 gtcgtgaagc tgtttattca aacagttagg caagtaactc tagatacggc tctcacaact
61201 ttacatttcc tctccatctc ccagcaagct ataataactc taactcaagt tataatcaga
61261 actagctcag gtttctgcaa tctgtcttta ggccaacttt gtacactcta aactctgtt
61321 tacaagcag cttagagtgt cacttcaaaa cagttagata tctgacatg taacttctat
61381 ggtaaaatcc ctcttaggat agtagagaaa ctccattacc acaatgttgt cctaggttac
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61501 cattggcctg tatttttatt ttctaataat gctgtcacc tccatttcaa agagaagaga
61561 cttttcaaga ccattatcta atattctctc ctgacatctt gatgtgggca ctgcttaggt
61621 aaactctgaga ttcttacaca tatgtctatt ccttagagag accctctctg accatctaga
61681 gtaggcaggt acccatgttt tcaactgaat ttctacattt ctctcagggt actcaatcaa
61741 aattgtaatt acatattaat ttgcataact tcaaatctat aataatctca aattatgaga
61801 gattaaaagt tctctctcca atgagactgt aagttaacaga aaggcagaga aatttctttt
61861 gttacaattt agacctccag agtctatcac aatatcaagt acacagtagg tttttaaaaa
61921 acaattcaga atgagtgga ctaggggcaa gtaatactat atgtcttga tctaggtgtg
61981 aatgaaataa ttaacaaaaa tccctatgta gttagcataa tcatctcaaa ttcaaggtg
62041 gttaaaactc agtaaaagta ttgacttagt caaagtccac taacaaatca ctagtagggc
62101 cagaagttaga acttcagagt tattcctcaa tgtcatgtgg cctccctctg tgacaaacag
62161 ttaagggtctg aagcaatcat ttgagtttat tatgttcaga aaagagatag caactcaaga
62221 cttcttatct tagaaaagac tgcctgttaag gttggctcct ggacaggcatc tgaaaagtgt
62281 gattccatat ggtttccaga ttgtcttcca atgggaagggt tcccatcat ccttagataa
62341 gattgtctac tgtgggtaaa ttatacaaac aatgggggtt atgtgaaac ttgaaatctc
62401 ttttgggtgc ttgaaaattt gttacacagg ttgctatgt gacacattctc tagaaaaggt
62461 attggcaatg aattctctaa gaggctctat gttaggtaaa cacttcaaac atgtgtctac

FIGURE 1 (continued)

62521	aaccagttag	ttgcttggag	aattaagcag	atcttgtgtg	acttcaactg	aaaagaactg
62581	ttagaagctt	attcctgggt	tccttgacc	tcacccatgt	gttttttctc	attgctgatt
62641	ttgctttgta	tcctttcaca	ataataagtc	atagacatga	gtacaacccat	ttcctgaatc
62701	ctgtagggtcc	tcctgggtgaa	tcactgaacc	cgaggtggt	cttggggatg	gtcgacatat
62761	tatcctagct	acagtcagaa	agtcttatct	gaaagaggta	ctatggggat	agtgcattat
62821	gctgtgttct	gtactcagag	gcgaagctag	agagatataa	aaatgactcc	aaatggattc
62881	cagaaaaata	gtatttggtg	cataaagtaa	tcataccctg	ctcttccact	gactgaaagt
62941	catttccttt	aatgtgaatt	atgacctcag	ggtcagtcta	gcaaagccca	cttctttcat
63001	gaaggaggaa	accataatct	aaagagaaaa	caagacttat	ccaggatcct	gcagttaagt
63061	ggtaaccaat	ctaagacaac	tcgggattca	cagttactaa	aaaacttggg	tttcctaggt
63121	ttcattgcac	acaattttgt	tgctttgtta	agtactgagt	cacaaaaaac	tatgacgaac
63181	tgaaggcacg	aagtctaatt	ttattttgtg	gaattgttga	agagaattaa	ttttattttg
63241	cagaactggt	gaaaaaaatt	caagacaaaa	attcctcaag	agtaattcac	gtcacaattt
63301	caacaagaaa	aaaaaaacct	aaaaaggatg	tgtcaagaga	catccaatga	tttcctacca
63361	ttttttagta	aaaagagggg	caatggtatg	cttaaagaaa	aaagtcactt	ccaacctcta
63421	atgctacata	gagggcatct	tcacacacac	tagctttcac	atggatgcct	gggcttccac
63481	agccactct	ggacaatgaa	cagacaaacc	acaaattaag	agaagtgtct	aaaagtggag
63541	ggtagtatgc	agaatgactc	accatcccag	tatgcccagg	gctgaggaga	ttccagaaat
63601	acagggcttt	cagttttaaa	actggaaaag	tcctaggcaa	actggaatga	gttggtcacc
63661	atagcagtat	gtgcagtggg	atggagaggg	caagtatcgc	cagttattta	cagaaaggct
63721	gtaagacaaa	tggtcctgga	taggagtcac	gaagttaaaa	ataaactctt	ctagaaccat
63781	aaggccaat	actaactaga	taccaaatgt	agaaggatag	atcaagactt	ccagacataa
63841	tagatatgtg	aaagaccaag	gtgcaccgag	accatcccca	tcctttatag	atacttcaaa
63901	ccaaaccatg	atataatctt	atcattcttt	tcaaataaaa	atttttatata	tgccaacatt
63961	aagaactttt	tttttttaggt	ttcctgatca	tccttttgga	tactcatttt	ttccagtgat
64021	ataccacat	gtgtgctttg	gtctgttagg	taaccaata	gtgaatgttt	gacaaatttc
64081	aagacagaac	tcaaagggaat	atttatgatca	agaatttcta	gtagctagta	actttcaaaa
64141	tgctatgaaa	gcttcaagac	atttttttaa	acatacagat	tatactgcaa	aaaaaatcaa
64201	aatttgtata	tttatgggtca	ataaaacttg	aataaatatt	agacaaagat	ttgaatttta
64261	aaataaaaagc	ctggctggat	ccggtagctc	atgcctgtaa	tcccagcact	ttgggaggcc
64321	aagggtggcg	gatcatgagg	tcaggagatc	gagaccatcc	tggctatggt	gaaacccggt
64381	ctctactaaa	aatacaaaaa	aattagccgg	gtgtggtggc	tggcacctgt	agtcccagct
64441	acttgggaag	ctgaggcagg	agaatggcgt	gaaccacagga	ggcggagctt	gcagtgagcg
64501	gagatcacgc	cactgcattc	cggcctgggc	gacagagcaa	gattccgtct	caaaaaata
64561	aaaaataaaag	gtcccatttt	cctagtatga	ggtgtaattt	ttaatatata	atattgtggg
64621	ctactctata	accatgttat	agcaacaact	gatcaagaaa	attatgagaa	aaccttgaaa
64681	taaatacagt	gacattttaa	taaatttaca	ttctcacaat	ctcaaaagta	tcataatact
64741	tcagaaagtc	attaatacat	acatatgaac	catataattt	ttccaatctg	tacaaaaaaa
64801	caacttaact	agaactgctt	gcaataactc	ccttcagtaa	atcccacagg	ccctcatcac
64861	ccctataact	ctctactctt	gcgtctcaac	aattgtccat	gannnnnnnn	nnnnnnnnnn
64921	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
64981	nnnnnnnnnn	nnnnnnnnnn	nncaaaaaaa	tatgcaaatg	ttcacaatag	cattattcat
65041	aagagccctaa	aagtggaaac	aacccaaatg	tccatcaact	gatatatgga	taaaataaact
65101	atgggtatatt	cgtacaatgg	aataatattc	agccacagaa	agaatgaagt	actgaaacat
65161	gctacaaagt	gaatgaaagt	tgaaaatttc	aattaaagtga	aaggagccca	tcacaaaaagc
65221	catgtagtat	actagtcocat	ttatataaaa	ttcccagaat	agaggaatca	ggaaaaaaga
65281	caaaaaagtag	actagtagcg	ttgggttaagt	ttgggttaagg	gttggggaat	gactgataat
65341	ggatacaagt	gtttctttta	ggaaaaaatga	aaatttttta	aaatttagagt	tttgttatgg
65401	ttccacaact	ctgtgaatat	actaaaaaat	attgagtttg	atgctttaaa	ttgggtgaatt
65461	ttatagtata	tgaatatatat	gaacttatct	ccttctttta	tgaatttaatt	atttttgata
65521	gaaccatctt	tactgacata	ttgtatatat	tgaatatatg	tcagttaaaaa	tgatcaaaaa
65581	tttttaagaa	gaaactagta	ttctcgaagt	ggggagagga	aaaaacatga	ataagaaaca
65641	gaaaagaagt	tgtagaaaag	aattgcaaaa	cttagccctaa	agaagaataa	gaatgagaat
65701	ccatagatga	ccctaataat	ttgggttgaa	aagtattctg	aggtcagata	tgaattctct
65761	actattttca	ggagataaat	ttagctttct	taatcccttt	tcacaaaaat	ggttcttgcaa
65821	tttttaata	ttgatctctt	ttggcagcct	ggagtgaaga	acatggaaaa	tcaggaaaagc
65881	tttttaata	aatacaaaaa	tgtactgcaa	gactgaaata	gttaaaacac	tatgggttttg
65941	ttcaaacatg	tgatcaatga	aaataataga	aagaatggac	ccatgcattt	atgctattcc

FIGURE 1 (continued)

66001	aactcatgat	aaaaaattat	aagtaaatacg	gcccggcgcg	gtggctcaca	cctgtaatcc
66061	cagcactttg	ggaggcgagg	cgggcggatc	acgaggtcca	gcagattgag	accatcctgg
66121	ctaactactgt	gaaaccccat	ctctattaaa	aatacgaaaa	aaaaaaatgg	cccagcgcgg
66181	tggctcacgc	ctgtaatccc	agcacttttg	gaggccgagg	cgggtgcggat	tacgaggtca
66241	ggagatcgta	gccatcctga	ttaacacggg	gaaaccccg	ctctactaaa	aatacaaaaa
66301	gaaattagcc	gggcgtggtg	gcgggcgtct	gtagtcccag	ctactccgga	ggctgggacg
66361	ggagaatggc	gtgaacccgg	gaggcggagc	ttgcaatgag	ccgagatcgc	gccactgcac
66421	tccagcctgg	gcgacaaaag	aagactccgt	ctcaaaaaaa	ataaataaat	aaaaataaaa
66481	ataaatttaa	aaaataaata	attagcagag	catggtggcg	ggtggagcct	atagtcccag
66541	ctactccgaa	ggccgaggca	ggagaatggc	gtgaaccggg	aggcggagct	tgcagtgagc
66601	caagacagag	cgagactcca	tctcgaaaaa	aaaaaagaaa	aaaaattata	agtaaatata
66661	tcaataaagg	ataaactatt	atataaagag	attaggacaa	ttggctcttc	attaaaagag
66721	aaagtatggt	tgatttctac	cttagagaaa	cacaaaagta	attctagctg	cttagtaaat
66781	aaaaatgttt	ttttaaaaaa	acttgttaaa	tttaaatatt	cctattttctg	catcactctg
66841	agaagttagct	ctgggaagaa	ggtaatcaga	agattttatga	agattttcctc	ctactccata
66901	ctttttcata	ggccctgaaa	cacacatttc	tagtgaagac	ttacatgaat	agatcaaggc
66961	ccttgggttc	attcaaaaaca	attaattcat	agaagatttc	aaaatttaga	agttaagata
67021	cataatatgc	tagagtgttt	cttacagaac	ttaatatata	tattaatata	tactaatctg
67081	taattttaaat	aatactttag	acttttccaa	aaaaaatagt	ctttgcaagg	aatgtaactc
67141	tctcctgagc	ttttgcataa	gcgtcaatct	acatggcctt	tttaaaactt	ttatgttagg
67201	ttcaggggta	catgaggagg	tttggttatgt	aggtaaattg	catatcatga	gggttttagta
67261	tacaaattat	ttcatcagca	aggtaataag	cttagtaatc	aataagggaac	tttatatgat
67321	ttggctctgt	gtccccaccc	aaatctcacc	tctaattgta	atccccacca	gttaaggcag
67381	ggacctgggtg	gcaggtgatt	ggccctgggtg	gcagttttcc	ccatgctgtt	ctcatgatag
67441	ttgtaggggt	gtggccttat	tctggacata	ggaatggaca	aagattttat	gacgaagaca
67501	tcaaaagcaa	ttgctacaaa	agcaaaaatt	gacaaatggg	atttaattac	agtaaaagagc
67561	ttcgacacag	caaaagaaac	tatcatcaga	gtgaatagac	aaccgacaga	atgggagaac
67621	aatttttgcaa	tctattttatc	tgacaaagggt	ctaatatcca	gagtctataa	gaaacttaaa
67681	caaattttaca	agaaaaaaat	cattaaaaag	tgggcaaagg	acatgaacag	acacttccca
67741	aaagacattc	atgtggccag	caaacacata	aagaaaagct	caaaatcact	gatcattaga
67801	gaaacgcaaa	tcaaaaccac	aagataccat	ctcatgccaa	tcagaatggt	gattattaaa
67861	aagtcaagaa	actgcagata	ctggagagggt	tgaggataaa	aaggaaatgct	ttgacactgt
67921	tgggagtata	aattagttca	atcatgttag	aagacagtgt	ggtgattcct	caaagatcta
67981	gaggcagaag	taccatttga	cctagcaatc	tcattactgg	gtatataccc	aaaggaatgt
68041	gaattattct	attataaaaa	cacattcact	gtagcaatat	tcacaatagc	aaagacatga
68101	aatcaacctta	aatttccatc	aatggtagac	tggataaaga	aaatgtggta	catatacatc
68161	atagaatgct	attcagccat	aaaaaagaat	aagatcactc	cctgtgcagc	aacatggatg
68221	gagctggagg	ccattttagca	aactatcgca	ctaacaaaaa	acaaaatcac	gtatgttctt
68281	acttataagt	gggaagttaa	tgatgagaac	acatggacat	aaagagggga	acaaacagaca
68341	ctgaggtcta	tcagatgggt	gaggttggga	ggagagagag	gatcaggaaa	aataaactaat
68401	gggtactagg	cttaatatct	aggtgatgaa	ataatctgta	caataaaacc	ccatgacaca
68461	cgttttacca	tataacatac	ctgcacgtgc	atccctgaac	ttaaaaataa	agttaaataa
68521	atttcaaaaag	ttctgttttt	atcgatatat	aattcatata	ccataaaaatt	cactattttta
68581	aaactgtacaa	atctgtgaat	tttagtatat	ttacaatat	gtgcaaacct	caccacacat
68641	aatttttaaaa	tgttttccacc	agccagttaa	ggaacttcat	accagtcagt	agtcaactaa
68701	ttatctctctc	acccctgcccc	ctagcatgta	acaaaccacta	atcaaaatttc	tgtctctaca
68761	gatttgccta	ttctggacat	ttcatatgaa	tggaaataata	cattatgtga	tattttgtgt
68821	ctggcttttt	tcacgttagtg	taataacttc	aggttcaaac	atgttttagc	atgtgtctgt
68881	atttccatttc	ttattctgga	tcacaactat	tttatattcat	tgtaattgaat	acacattttg
68941	ttcattoaat	tatcagttta	tggactctctg	agttattttt	accttttggg	tgtaattgaaa
69001	acattttaact	tgacaatttg	atagaagttc	ttgttttgaat	ttatgttttc	aattctttgg
69061	atatatgcct	aagtgggatt	ttctctgggtc	acatgggtaaa	ttcatgttta	acattttcgag
69121	gagctggcaa	actgttttttc	aaagcagctg	caccattttta	tgttttccact	agcaatatat
69181	gaggattcca	atttctccacc	atccctcacta	gcactttttta	tttttcccttt	tttttttaaat
69241	agatatattag	gggtgtaaaag	tggtataaca	tgggttttggg	ttacatttttc	ctaattgatta
69301	gtggcaactga	ccatccataat	atgaccttaa	cgtatttttca	atatcttatat	gattctgnaat
69361	gatattacttc	ttttccatag	tcaaaatagat	accttggtgt	ttttctccacc	tttgccaatca
69421	tgagtcttgc	tagagtgtta	tcacattttta	aatctcttcca	aagaacacac	ttttagcttc

FIGURE 1 (continued)

69461	ctcaatttttc	agctacgtat	attatacata	tttgcttttaa	ctttcattat	ttactgcatt
69541	atctttatttc	ctttagttca	gtttactgat	ttttagctt	cttgaaatgt	aaaccttaggc
69601	cattttatttt	taaattttcc	tatattctaa	tacaggcatc	atagctataa	ttttccccc
69661	aagcactgat	tcaactacat	cttctgcccc	aactgatata	ttgtattagc	attcagtc
69721	aaatattttt	tatttccatt	ttgatttttg	ttttgaccca	tgggttatct	ggaagttcac
69781	tgcttaatct	aaatgtttag	ctattatcta	gtatttttct	gttgtttatt	tctagtagat
69841	tttactgtta	gtcagaaaa	atactgtata	tgattttaa	atttggagac	ttattaagac
69901	ttaaaagttcc	aagtataaat	aggtctgcaa	aagatctaga	aagagtgc	cctttccatt
69961	tcaagggttg	gacttttcta	tttttgttgt	tggtgttgtt	gttgtgtgtc	ttactgtctt
70021	ttgtagcagg	acaagcctca	gacaaaactc	ctcagacacc	gagttaaaga	aggaagggct
70081	ttattcggcc	gggagcttcg	gcaagactca	catctccaac	aactgagctc	cccaggtgag
70141	caattcttgt	cccttttaag	ggctcacaac	tctaaggggg	tctgcgtgag	agggttgtga
70201	tgcattgtgc	aagcaggttg	tacatgactg	ggggctgc	tcaccggtaa	ttagaacaga
70261	actgaacagg	acagggattt	tcacagtgtc	ttctatata	atgtctgtaa	tctatagata
70321	acataaccaa	ttaggtcagg	gggtcaatctt	taactaccag	gcccagggtg	tggcaccagg
70381	ctgtctgctt	gtggatttca	tttctgcctt	ttagttttta	ctccttcttt	ctttggaggc
70441	agaaattggg	cataagacaa	tatgaggggt	ggactcctcc	cttactttta	tatatatatt
70501	ttaatgaaaa	atattgctta	aaagtataac	cttaaagaaa	actgttcatg	aactctatgt
70561	atgaatatgt	atattaccat	tatataacag	gtataatgtt	tatatcactt	gggaaaaatg
70621	aagttattga	aaagatgaat	gcagggttatg	ctcattcagc	aatgtgataa	gcacatttga
70681	cttttgga	gtaatgtgaa	atttttccaa	catgatgtag	cactgttcca	gattctgtct
70741	ctgagcttct	tagagttaaa	cactgacagt	gaattggaat	acggatttct	tattgtactt
70801	tgaaattcca	ttatttttaa	attccatttt	taaatggaat	tttagccatt	taaattccat
70861	tatagccatc	tcttactcca	cagaatgc	cttcaggccc	tctgacttgt	ccgtctgtc
70921	agcagttatt	ctacttgttg	ataaacacac	acaacttcaa	ataacacaga	gcaataaagg
70981	ggtaacaagta	aaagacaaag	tcatccacac	tcaactgggtt	ttatgtctct	gaacaagtta
71041	accaacactc	taaccttcag	attcctcatt	tggatgacaa	aaatttcat	tgcaagaca
71101	tcaagtcttc	aaaggaatac	cttaagttaa	gtatgaaata	gattgtcttt	cacttgagta
71161	gtacttacaa	aacctaaatt	attttctttc	tatccattct	gatattgtta	tatgttaaac
71221	tgagtttatt	tgtagctaaa	gtgtacccaa	atggggcaag	caatatttag	aactaatttg
71281	cacattccag	attaggttag	gtcctgtctg	aataacaaat	gacacaaaa	tctcaaaggc
71341	ttgagataat	aaaggttatt	tttctctctc	actacatgg	cagcacagat	tggcaagggg
71401	gattttgtct	aatgtatttg	ctcaaatcta	agctgatgga	tatatgcttc	taaatttata
71461	ctggccatg	aaaagaaatg	tgggtgaatca	tacgggggtt	ttaaatttct	tctcggaat
71521	gacacacatc	acttgcgcct	acattttatt	gctaaagtaa	gtcacatggc	cacatcta
71581	atcaaagggt	agagacagag	aagtgcactt	ctataatgtg	tccaaaggag	aaggagatta
71641	taggagrtata	aatgtcata	atcactttgg	aaagctgttt	gacaattgca	taaaaagttg
71701	aatacacatc	taccttttga	cactgtcgtt	acgttccaag	agaattgaaa	atatatatcc
71761	acaaaagtgc	tgttaaagaa	tgttcaacta	gattttattca	taatggccaa	aatcagccca
71821	catatccatc	aacaggaaaa	tagataaaca	tgctaccata	tattttataag	atgaaaaata
71881	ctcacaataa	aaaggaacaa	actactttta	tatccaacaa	tgtggaggac	tatcaaaaata
71941	ttttgtctgga	tgaaagaaat	catgaaacaa	acattctgta	taatccattt	atatgcaggt
72001	ttagaattggg	caaaaactaac	acttaccata	atacaaatag	ttctagcatc	aagggtggta
72061	taaaattggcc	aggaaggagc	ttgattgata	aaattcctct	gtgtcttgag	tgaatgtata
72121	tatatgtata	tatttgtcaa	aaacttactga	accattcagt	caatatttga	gcattttact
72181	ctatagcagt	atcttgatct	tttaaatgaa	aaataaacttg	gaggacattt	cagtcataata
72241	attttttatag	actgttattt	gaactaacact	attcattaac	catctcagta	cattccaggg
72301	tttttttaaat	ttttaagagg	aatttttaatt	ttttaaaaaa	tttttgtgtg	tacatgtgtg
72361	atataatttat	agaattctgca	aaatgtgtcta	aaaaaggaa	agatctagtc	atttgcbaaa
72421	atattggatgg	aaattggagat	cattatgttta	agtgaatga	gcaaggcaca	ggaagttaaa
72481	catcgcattga	cattccatatt	tttaagggtaa	tgtttttaact	taactcaagaa	gcattgggaa
72541	acaagtatac	tgtaacaaaac	tgaatatttat	caaaaaatata	aatgttactt	tgatgccatt
72601	ccaagacagt	cacatttttta	tatgccatgt	cttaaaagtca	atgagtttta	agaactttgga
72661	taagtttgtgt	gaaatttttaa	aaataagaaa	attatattga	aaaaagagca	gtgaatccac
72721	tagatcctga	catctgggtgg	gcattttccat	cctgaatttc	accagttaca	tagctatttta
72781	actattttacc	agratcactt	aagacaaagc	ttgagcttga	gaggacaggt	ctcgggtctt
72841	atctggatag	accatttaaac	taactgttga	acaaaaatata	aaattacctt	cagccgtttt
72901	ctcacttgtct	aaacaataat	aacagcatct	agaatagtgc	ctggccacatg	atatgaaggt

FIGURE 1 (continued)

72961	aataaatgtc	agtttcattc	ttgcacatgg	agaacggtga	ataaatgtgt	tttattcttc
73021	ctctctcttc	tcctcccttt	cttcttcttc	cctctattcc	ttatctcttc	tatctccttc
73081	ccttccctat	ctcactctat	ctctctcttc	tgtctcctct	gtctcctctc	ttccctcctc
73141	ctctctcttc	tcctcccttc	ctctctcttc	acctctgttc	cttccctctc	tcctttctct
73201	ccccgcctcc	ttatattttc	tttccctctc	ctctcctctc	tcctcatctc	ttttctccat
73261	ctctctcttc	ctctttcttc	ctctcctctc	tttctctctc	ctctctcctc	cttcaccccc
73321	tcctttctgc	tcctccttca	cttctctctt	cctccctcac	ctctctcttc	tttgcttctt
73381	cctctctctc	tcctctcttc	ccttttcttc	ttctcctctc	tcctctgcct	cttccctctc
73441	tggttcttct	ctctcttctc	tggttcttct	tgctcttctc	ttgttcttgc	tcctgggtccc
73501	tcttttctta	tttttctggc	cctttttaa	tacataccca	tgacaagtag	tagggagcct
73561	tattcataag	actttgcaga	ctgtcttttc	tgattgtctt	taaatctgtt	acctatggtg
73621	tttagtatta	aaaatagcaa	aaaaaagtaa	aaataatgaa	aaatatattt	ctgttacata
73681	aatcaattct	aaataaattt	taatcattta	aatttaaacc	cagaaggctt	attcagatag
73741	agtttgaaata	ttttctataa	atatgcaaga	atctcagata	ttacttctct	gactgaggaa
73801	gaaacaagaa	tctctggaca	gctgcaaaca	ctaccatggg	gaaaatctat	cagctccgac
73861	atattgaatc	taatctgaca	tacgcacttg	ctcttttttt	catagcaaat	gagaaagtca
73921	ggttcttgag	taaatttcca	ttacaactat	cttctatttt	cagtattctt	tcaggctgtt
73981	tcctctgaag	aaaattacaa	ctgggatcta	agccattcta	tgtatttttt	catgcacctc
74041	cgtttgggat	ttttctgatg	ttggctcatg	aggagagcaa	ggttagacat	ctaggggagc
74101	aatttcacaa	aaagatactg	agagacagga	ctagctggat	ttcctaggcc	gactaagaat
74161	ccctaagcct	agctgggaag	gtgaccgcct	ccaccttta	acacggggct	tgcaacttag
74221	ctcacaccca	accaatcaga	gagctcacta	aatgttaaat	taggcaaaaa	caggaggtaa
74281	agaaatagcc	aatcatctat	tgcttgagag	cacagcagga	gggacaagga	ttgggatata
74341	aacccaggca	ttcgagccgg	caatggcaac	cccccttggg	ttccctcccc	ttgtatggga
74401	gctctgtttt	cactctatta	aatcttgcaa	ctgcactctt	ctgggtccatg	ttgtttacgg
74461	ctggagctga	gctttctgct	gccctccacc	actgctgttt	tgccggccgtg	gcagactcgc
74521	cactgacttc	cattcttccg	catccggcag	gggtgtccct	gtgctcctga	tctagcaagg
74581	cacccactgc	cattccggat	cgggctaagt	taggctcggc	attgttccctg	catggctaag
74641	tgccctgggt	cgctcctaac	gagctgaaca	ctagtcactg	ggttccacgg	ttctcttccg
74701	tgacccacgg	cttctaatag	agctataaca	ctcaccccat	ggcccaagat	tccattcctt
74761	ggaatccgtg	aggccaagaa	ccccaggtea	gagaacacga	ggcttgtcac	catcttgga
74821	gcagtcaccc	gccatcttgg	aagctgtgtg	agaaaggacc	cccggtaatg	atgctatgtt
74881	ctcataattc	tattaagaca	cccatgactt	tgaattttcc	cattatttga	gttcttaact
74941	ttgatcattt	gattcaagag	ggtagcctgc	aggaagtgtt	actcagtggg	tgttcttttg
75001	tccattatca	ataagtattt	tgtgaggaaa	tacttagaga	cgtgtaaata	ttttgttctt
75061	ctttaaatct	gcacccactt	ttagcatccc	ctgatatttc	ttggctgaat	ttattattgt
75121	tacaatttgt	atccaattgt	gattttcctg	cttctattat	tcttccacat	ttgttgacat
75181	tatatgaagg	aacactatct	cttctttgtt	tctttcttta	tgtatgtata	gacagatgga
75241	ttattttatt	tcattgatta	aaatttatta	ttatgaatcg	ttcatgaaat	tgtcccaaat
75301	ttgggtcagt	ggaatctctt	caagctggct	tttgtgtcct	tttgacattg	agaggagggt
75361	ccagtgggct	tcctgggtct	agttagggct	cagaaagctg	tgaaactcac	tcatttctct
75421	catcaggact	taacttttgt	cctgaattgag	taatattgaa	gataagtgtc	taaaatattc
75481	ctaacatcag	aattttgtgca	tgtgttttct	ttccgaagaa	agctataaac	agggaaaatt
75541	ttgttgcaag	cttccctgtg	tcctctcttc	ctctctcctc	ttccctcctc	ctgaaactaa
75601	aaggactgct	aaaagcccat	ttttctgtga	ccagcagaac	gtatctacgc	tcccaattcc
75661	aattctttgt	aaacacaatt	tgtaaaatcc	tgtgagatcc	tgtctccttc	gocattgcgc
75721	tgcaaggtoa	taaagtagat	aaaacttgag	ttacaattcc	ggttttcttc	aagatctgag
75781	acgtgttaat	tgtcttttgt	tctcgtctct	gtagcatctt	cttaacgcac	gtattttctg
75841	ctttaaataa	aagggtgatg	aaaaatctaa	cactgggtta	ctgtctcagga	ccctctccac
75901	ttgttggaag	ctttgtactg	tcactccgct	caataaagcc	tacagctgtt	ttctctctgg
75961	ttcgatctgt	gtctctctct	caccgcgggc	tgccgcacaa	ccaaatcttt	ggcgtggcta
76021	aggcgagaa	ctttggcatt	acaacatgac	cctatcattc	tttgatatct	ccataacttc
76081	tgatgcaaaa	taatgggtcca	agctgctttc	ccttctccag	ttctggaagc	agccatttat
76141	ttctcgaagg	agccctagtt	cctttaacga	agaatgttgg	agagaaacca	gcattctgcat
76201	gttaggcatg	ctcattatta	tttaagaatt	gttattctca	gacagtgttg	gggaatatgt
76261	attgtaaatg	tacacacatt	tttaaccaca	tttccacatt	gaaaactgcc	agtttagata
76321	caactcaaat	ccaataccac	aggttttttt	gtttctgttt	ttttcttttt	tttttttttt
76381	tgagatggag	tcttgcctct	ctgcacagga	tggagtgcag	tgggtgaatt	tctgctcact

FIGURE 1 (continued)

76441	gcaaaactccg	cctcctggat	tcaagcaatt	cttctgcctc	agtctcccga	gtagctggaa
76501	ttacaggcgc	ccaccactat	gccccggctaa	tttttgtaat	tttagtagag	acagggtttc
76561	atcatgttgg	ccatgatgaa	agtccctgacg	tcagggtgatc	tgcgggcctt	ggccccccaa
76621	agtgtctggga	ttacaggcgt	gagccaccac	gcttggcctc	aaagtttcata	taatactttc
76681	cctttccata	gttgtaagtt	ccaccactga	gagtgagaat	tacagctgac	attatcctaa
76741	attaattttt	tgtttcaatc	ctcccaaattg	ctatgaatct	accattgtca	ccactgtccc
76801	tcttccccaa	tgccccctct	ctgacatgcc	gaaccattgc	aaacaccact	gccctcctct
76861	<u>cttagtgctc</u>	<u>ttctcaccct</u>	<u>gctctgtctc</u>	<u>cagctccctg</u>	<u>caccaggctg</u>	<u>aggccaccag</u>
76921	caccacagct	gcaccctcct	cacactgctc	cacaccctgc	tctgataatt	ataactctct
76981	cattcaaaaa	taaaaaaaag	ccaagggatt	gcaaatacact	tatatttagct	caggctcctc
77041	aagaagcagg	tgttgagagt	ggataaaaata	tatatataag	gatttttattc	aaggaaacat
77101	ccatgtgaga	caaaataggg	aagggaccag	acaagcctgg	gagaactgtc	caagtacaaa
77161	caagtctaac	tccaagtgga	aaaaagaaga	tgagagaggt	tgtgtggaag	gaaagtttgg
77221	gaaagagttc	aggggtcctc	aagccaaaac	aggctaccag	aaagtgtctta	tgactcccac
77281	aaatctttct	acttcagtat	ccatccctgc	catgctcagt	cattggatga	acagctcgtg
77341	ggaagcatgg	ggtgactgca	aaagagtacg	aagcagccga	ggcctcttag	caattacact
77401	ccctgtagtt	ggaggagcgt	catctacatt	cctgtggctg	tccaaaacta	atattatttt
77461	tccctgatta	caggtgttta	gtatcataac	tcagaataaa	gtcagcacca	cattaaaata
77521	aaccttctta	tgtaaataac	acttaagagt	ataacaaata	agaaatgact	tgccaaacca
77581	ctggcccttt	attttttatc	acaactcaga	aacaaagaca	gcaccatatt	aagttaaacc
77641	cttttcccat	aaagaagatt	tttatttatc	aaattgctag	actgccagtc	tggtgttaca
77701	agatgctgct	gaacatggta	aatgagcata	gataattttt	tttttttagc	aagtgtatct
77761	cttattttgtg	gcccatagct	tttgagaaaa	ttgatttttt	atthagcatg	tttatgtttc
77821	tttatgatgt	atccaacttt	ctcaaatata	caggtatacc	aaacaggcag	attgttcaca
77881	ttttgggaaa	tgctagataa	aagtgtggaa	gtcatggcaa	tagagagcta	ttttacatta
77941	cagagcttta	ttgagttagt	gtagacctaa	ctcctgccct	tagagctaca	attgagcatt
78001	ttatactctc	ctggatatta	cctttgaatt	taatcctaac	attttagcat	caatttgggt
78061	ggaggacata	tgtttaagct	tcataaaactc	agcttaaat	tggcgtaatg	ctgaaaagcc
78121	ctgtggtccc	taaataatgca	aaaatgttgt	acagtgaata	tagcaagaaa	ttttagatgt
78181	agatataaaa	ctagacacct	tcagcaaaaca	gataaatata	tgacaaaata	agacacttgt
78241	aatggttttc	tgaggaagtt	ttgaaatcta	attttcacaa	atatctctga	aatttagggt
78301	agatctaaaag	aagtgggaga	aatacacagg	aggaaagaat	tagagaagaa	acaaaacatg
78361	atccaagcag	tattagtacg	ataaaggagt	tcaactgttt	taaaaaacatt	tatggtttac
78421	agttatttaa	catttgacac	ataatgtcaa	atgcctacta	tgtggcagac	actgtcttta
78481	cacgcgctgt	tcagaatggc	aacctctagt	cacatgtatc	tatgaaatac	ttgaaatatg
78541	actggttcac	acgaggatgt	acttgaagtg	taaaatacac	acccaatttc	aaagacatag
78601	aatgaaaaaa	tcataactaat	aatttacact	gattatatgt	taaaatgata	atattttggg
78661	tataattggg	ttaaataaaa	tatataatga	atactaattt	aacctacttc	tttgtgtctc
78721	cctaattgtg	atactagata	atttgaaata	acataaatat	aaattttcatt	atattttccac
78781	tgggaaaaaa	tgtgacaaga	actaatgcag	tagatatcca	tgattttgggt	taaatcacatc
78841	tatcttttca	tcttccttgg	tacctggtag	gatagcacag	cctcactcac	tttgaagtga
78901	aacgtggcca	ccaggaggag	aagtgtcact	tccttataaa	agggctttta	aagccaatgt
78961	gctatttagt	cctagctgct	gttaccacag	gaacagatgt	tgcaaagagg	cctccatctt
79021	cctggctgcc	aaatgactaa	gattagagcc	tttccacctg	gattatgggt	atgtagtctg
79081	aggcagatat	aaatttgaat	gaaagtctct	ccaaaaatgt	ccaaaagaaa	ataatcagcc
79141	acatacaagc	aaaaagtaat	tattttaaaa	taattgtata	ccttgtgcca	agatcatggt
79201	ctccacacac	atgtctcaat	ttctctctga	agaaatgact	gattctaggg	ctggtgaggg
79261	atgcagatca	tcttgtagta	tcagaaaagta	agaaaaatgt	cagaaaaaaa	aaatattggt
79321	atatgtcaaa	aagacnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
79381	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
79441	ggttcttata	cctagatttg	aaaatactga	gattctgagt	tataagaaat	aagactaaaa
79501	tcagtaaaaa	gtaaacatat	gaaattatgt	ttgttactct	tagcccttca	gttggaatca
79561	tcccttcagc	tttgagtagt	cctgcactctc	atcaaatctg	atttctacct	agaaaaagtt
79621	gttttcagtt	atgcctctgg	gaaccaattg	gatgatgaaa	atggctccac	tcaaaggcat
79681	taattagtat	aaacacatat	agagtgtgga	ggccatgaat	ggaaattatg	ttacaggctt
79741	agtattatat	atacttttga	atccacagcc	gttatccact	tgatgttagc	ccaaaggctg
79801	agaagcaatt	ccacagccat	cctcatgtac	caaatccaaa	tttccaatct	ataacccctg
79861	aaagggtgacc	caccatctct	ccttcttcat	ccaaattatct	tcttccctctg	actatctctt

FIGURE 1 (continued)

79921	tttctcaa	gttgggtctt	tttcatatt	ctccatgtcc	tggaaagaaa	tctgaagacg
79981	ggagggtact	aaggaaatag	ggtgcccaata	gctgagtgg	atgggatggg	atgtgaaacc
80041	tacccctacc	tctaatgta	ttgcagggcc	agttcattga	tggcattaac	tccgctgtgt
80101	actcacacag	ctgcagagtc	attggaatga	tacgtaggct	ctattgctgc	acatattcaa
80161	ttagaatcct	ttattaatgg	accaagaatg	gacaagaaaa	tggggaaatt	actgtgcaaa
80221	ttttttaatc	cacctgtcc	tecttccct	tccctttcct	gattagctc	agaaatgttt
80281	tcattcttta	catttccct	ctctttaaaa	tcaatatccc	ttactttgtg	tttgattcta
80341	cattttattt	cctttacaat	atcatgcata	aatacacaca	cacactttta	agttgcaact
80401	aatacttttt	ccagtgaag	gcttctttgt	tttactatat	actaacctct	gcataaaatt
80461	tctttaaaaa	tgttggttga	tgcagagttc	tagatgtcat	aagattatta	aatatatata
80521	ctttctaaag	tgagcattca	gtgttggaact	aaaattttaca	aaaatcatat	aagtgtctact
80581	tgttcttagg	taagagtttt	taaatttaaaa	tcaccttgtc	aaatagagct	ctctgcagat
80641	atgttaacaa	tgtccattta	gaaaattaca	tgggatttca	attatcatta	tcattataaa
80701	gttccaaatg	aaaagttaga	tcttttttaa	agcaagtaac	tagaaagaaa	aacaaaactg
80761	ctgacctttt	atctaacatc	cactctttct	gataaggttg	aagtggttca	tcagaagttc
80821	agacccaagc	catttctctt	ggttgtaaat	aagcagaata	tattccctat	agatattact
80881	cagacctaaa	ctatggtcta	aagattgtat	gtcagtagtt	tctgcatttg	actttacagt
80941	tacccgcccc	tttgccatac	ataaatgttt	cagtcatcaa	ttattttcca	aatgtgtcac
81001	atattttatg	tattggattg	tatatgatgg	aacatacaga	gaattgtaag	atataatttc
81061	catccttcat	gagattataa	atcattttatt	acactactat	cttattttcaa	aaacaaaaac
81121	ttcgcatcac	aaatgttaag	gcattgcaggt	agattttaaat	agtaaattct	ataatgatgt
81181	ttatcattgg	tgtctttaac	aattcccatc	cacctacatc	caccacagaag	catcacatta
81241	aacaaaagat	actgagtaaa	tattcaacat	tgtgcacag	ctatcctagt	ttttgatgca
81301	ctccactttt	aacctaaaa	tggtaatgag	aagcaagtct	gctggagtgt	gcttgggtct
81361	gtctcttttag	gaagttttgt	gagctcaaac	ccattattat	tattattatt	attattataa
81421	tttttttttt	tttttttttt	tttttttttt	tgagacggag	tctcgctctg	tcacccaggg
81481	tggagtgcag	tgggtgatct	ctgctcactg	caagctccgc	ctcctgggtt	cacgccaatg
81541	tcttgcctca	gcctcccag	tagctgggac	tacaggcgcc	caccaccaca	cccggctaatt
81601	tttttgtatt	tttagtagag	acgggggttc	attgtgttag	ccaggatggg	ctcgatctcc
81661	tgacctcatg	atccacccgc	ctcagcctcc	caaagtgtct	ggattacagg	catgagccac
81721	tatgccccac	cagacattat	ttaaacttaa	actcactctg	aagcacattt	tgtcatatag
81781	aaaatttatgt	taacaataga	atttatgcta	ttgttgtgaa	gttttaaaata	aaccaataac
81841	aattatttaga	ttatagtgtt	tggcatatag	taagcatcta	gtaaacatta	gctattattg
81901	ttactgacct	agtcgttaac	tggttcttta	gactcaggaa	caacctgtag	atgagatata
81961	tcattgtcct	atggccagaa	tgtgccttag	caatgtgcct	tgcacagca	acaaaacaaa
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82081	tttcaatcct	ggaaattctg	atgtcttcac	aacactacag	aatttgcctc	ttttcccaaa
82141	aaacacataa	ttatatattaa	atttatattta	taataacttg	ttcaattatt	caaaaatagac
82201	ttccttcaga	tacaggtttaa	aatgacagtg	tgtatatact	gtccatgatt	ccttttatag
82261	aaacaattct	gacatatgaa	ccactttgat	atcttacaat	ttgggtgaaa	cttaggtttg
82321	tcttgttctt	aatgtttaata	actcgcttta	agactgggca	gggtggctca	ggttatataa
82381	tccagcactt	tgggaggccg	aggcagggtg	atcacgagg	caggagttcg	agaccagcct
82441	gaccaacatg	gtgaaaccct	gtctctacta	aaaatacaaa	aattagccag	gtatgtgtgg
82501	gtgggcctgt	aatcccagct	actcaagagg	ctgaggccag	agaatctctc	gaacctggga
82561	agcagagggt	gcaatgagct	tagatcgtgc	cattgcactc	cagcctgggc	aaaaataaaa
82621	ataaataaat	aagtaactcg	ctttaaacat	aacatttagt	taactcttta	agagctttat
82681	gatggcaatt	ggcttttaaga	gcttcattgat	ggcatttggc	taagggcac	ctcaattttt
82741	gacccaaaag	gaggtgtcac	agaagatgag	aaattgtgaa	tttaggaatt	cttatctttt
82801	taagcagagg	catcatcaga	aaatcatgca	taaaaatatc	agagtaactag	ctcatttggc
82861	aataatttta	gctcatccaa	catccaacat	aaagaaaaag	tgcacagaca	agaaatgtag
82921	cttctcaaat	gagacagcag	tgggttggct	tcaagtgaac	agataaattt	acatcagttt
82981	acaaaattaac	tctcagtagg	acaaaacatga	agccagtcag	tatgtgacat	gggatattat
83041	taaaataact	tcattcttga	atataatttag	ttaaatttgt	tcatttcaatt	aaatttttaa
83101	ttaatcagtt	ctatacgttc	ttttgaaaaa	aaaatctgga	aggattttcc	taaaagctcaa
83161	cattgcccct	ctatggattt	aaagccatca	tatgggtatt	ccaatgttta	taaaagacat
83221	agggaaaatta	tacttctgtg	gcattaggtt	taaaagatgt	aactagctct	cagaattctg
83281	aattagcaact	acaaactgtc	ccagttatccc	taatatgacc	atatcatatt	ttattctctc
83341	cttctataga	ccagttctgc	ccggaagaca	gttcacaaag	taagaactac	ccttggctct

FIGURE 1 (continued)

83401	gtgaggcaca	atcattacag	aaaaatgagc	aacatcatga	tgtgtctgta	gttatttcat
83461	cgagtctggc	cgatacttaa	catttcaagg	tacttactgg	gcattgtgta	ttatctaa
83521	taaaaattta	caaagcctgg	tagatatctg	ggagttatgt	tgagttttaa	aataaaggaa
83581	attttccatt	cattaagaga	agaataaaa	tgtttctcag	ttttatgggc	gaggctgcca
83641	gatagaaata	agccccaaat	tctgcaagga	atccagctgg	agccccggaa	agagcttgtg
83701	ttaagtata	gccagcagct	tggacagagt	aggaataact	ggtgagctctg	aagattctac
83761	ttgtccagct	agattaagca	gaaagaaaat	ggaaaggagt	tgggaaatta	attttttaag
83821	ctatttgaga	atttctactgt	actttttgaa	atgaccatat	taagaaaatg	tgttttggca
83881	aacgtggtga	aaaataagta	atccaatage	agtcattttc	atacaatgtg	tataaaaaga
83941	atatccctta	atcattataa	aataaattgc	aattaagtct	ggggtaagtt	gttttaacct
84001	ctctgagctc	cagtttctct	atctgaaaaa	cagtattatt	attactattt	tgcaagtttg
84061	agcatatgga	tgagaactaa	cacaggcaaa	gtccctcact	tagcatatct	tgaaagagag
84121	tgtgtgctct	acaaaggggtg	gatgactgaa	aaacaaggca	taattttcag	tttagatttt
84181	agagtctgac	atgccctttc	acatacatta	cttaattttc	tttttaaaaa	tatagtacca
84241	ttattggggg	tcttcttcat	atggcatccc	tggagtcac	aaagtaaaaa	tgaaagaaat
84301	caatctagct	tggaaaatct	taaggaaact	aataattgta	ggaaacaaat	taaacatctc
84361	gagaccaact	tccaagagca	gaagctttca	ccaagatttt	ctgataaaaa	tccacatcca
84421	caactgaaga	taatttccact	tgtctcccac	tttagctcct	tctactcacc	attttagaaa
84481	tctgcactta	aaaatgggtg	agatagacat	ttataagaga	agctggagaa	gtgattctaa
84541	gaacttcatt	acaggtcaaa	gtggtttgtc	ttagggatgt	tttccagaaa	tcttaactct
84601	tctcctgtgg	attcttagta	tgtttggata	tgcaactcca	gactttcttt	gggcttacca
84661	gggttcaatc	accttgaccc	caaatatata	gtttatgtca	tatctatcct	cttcaagata
84721	cagcacgttt	aggccattcc	aacaccagct	tcaagtgaag	atggggaaag	tacttcaatr
84781	atttaattat	gttccaatca	cagaaaggag	acaagcaagt	cttctggggc	agaagtgaat
84841	gcagcatgtt	acctgcagca	tttaccatag	ataaattaaa	aatgttatgg	gtaggattaa
84901	ctttcttaat	ggacactatc	caagaaaata	gaatgtaagc	caaactatga	ggtggtttga
84961	tataatgaaa	gttgattttaa	tgaatcataa	ggcaccgttc	taagtccttc	acatgaatta
85021	acacatttat	ttttgttttg	ttttgttttg	ttcaactgtt	aagttccagg	gtacatgtgt
85081	aagatgtgca	ggtttgtttc	ataagcaaat	gtgtgccatg	gtggtttgtc	gcacagatca
85141	acccatcacc	taagtattaa	ggccagcatc	cattagctat	tcttctctgt	gctctccctt
85201	cccaggggcc	ctgacaggca	ccagtgtgtg	ttgtctccgt	caatgtgtcc	atgtctcttc
85261	atcattcagc	ttccaactaa	aactgagaac	atgcggtgtt	tggttttctg	ctcctgcatt
85321	tgtttactga	ggataatggc	ttccagctca	atccacgtcc	ctgcaaaggga	cataatcttg
85381	tttttgtttt	ttttgttttt	atggctgcat	aataatcatg	gtataaatgt	accacatttt
85441	ctttatccaa	tctatcatta	atggccattt	gagttgatcc	catgtctctg	ctattctgaa
85501	tagtgcttca	gtgaacatac	atgtacatgt	atcttcataa	tggaaatgatt	catattctct
85561	tgggtatata	cccagtaatg	agactgctgg	gtcaaatgat	aattctgctt	ctaggtctct
85621	gaggaaatgc	cacactgtct	cccacattgg	gtgaactagt	ttacacttcc	aacatgggct
85681	tcttgacttc	tttaacaatca	ccattatgac	tgatggatcc	tcattgtggg	tttgatttgc
85741	atttatctaa	tgatcagtga	tattgagctt	tttttcatat	gtttatggcc	acatgaatgt
85801	cttctcttga	gaagtgtctg	ttcatgcctt	ttacccactt	tttaattggg	ttgatgtgtt
85861	tattcttcta	aatttgttta	agtcctctgt	agactctgga	tattaaatct	ttgtcagatg
85921	gatagattgc	aaaagttttc	ccccattctg	taggttgtct	gttcaccctg	atgacagttt
85981	cttttgcctg	gcagaagccc	tttagttatt	agatcttgtt	tgtcaatttt	tgtctatatt
86041	gggatttatc	ttgggtgttt	cttcatgaaa	tcttgccttg	tgtctatgtt	ttgaatgggt
86101	ttgcttagat	ttctctctag	ggtttttaca	gttttgggtt	ttacattttaa	gtcttgatct
86161	atctttagat	catcttttga	taagggtgtaa	gaagggggtca	atcttcagtt	ttcttgatct
86221	gaatagccag	ttttccagag	accatttatt	aaatagggtga	ttttttctcc	attgtgtgtt
86281	tttgttaggt	ttgtgggaaga	acagatgggt	gcagggtgtgc	agttctcatt	ttgagtctct
86341	tattctgttc	catctgttca	tgtgttgggt	ttggtaacct	tacatgtgtg	tttttggtaa
86401	tgttagcttg	tagtatagtt	ggaagttagg	tagcacgatg	cttccagctt	ttgtctctct
86461	gctcaggact	atcttgaacta	tacaggctct	cttttgggtc	catatcaatt	ttaaaatagt
86521	tttttctaat	tctatggaga	atctccatgg	tagtttatta	ggaataacat	tgaatctata
86581	aattactctg	gacaatatgg	ccattttcat	gatattgatt	ctaaccatga	gttttggaaa
86641	tttttccatt	tgttttagtc	ctcttttaatt	ttgggggcag	tgtttttagt	ttgtctctga
86701	agatttctct	cactttccac	ataatctgta	ttcctaggaa	ttttatttga	ttcttagcca
86761	ttgttagtaa	gagtttatto	atgatttggc	tctctgcttg	cttattgttg	gtacatatga
86821	atgttagtga	tttttgcaca	cttatttttg	catcttcaga	ctttgttgaa	gttgctctct

FIGURE 1 (continued)

86881	agcttaagaa	gctttggtgc	tgagaagatg	gggttttcta	gatataagat	catgccatct
86941	gcaaatacag	ataatttgac	ttcctctctt	cctatttgaa	tacgctttct	ttctttctct
87001	tccctgattg	ctctggccag	aacttccaat	attatgttga	ataagagtgg	tgagagagga
87061	catctttgtc	ttctgccagt	tttcaagggg	aatgcttcca	gattttcccc	attcagtatg
87121	atattggctg	tgggtctgtc	atatatggcc	cttattattt	taaggatatg	tccttcaata
87181	cctagtttat	tgagagtttt	taacacgaag	gaatgttgag	ttttattgaa	ggccttttct
87241	gtgtatactg	agatgatcat	gtattttttg	tctttagctc	tgttaatgtg	atgaatttca
87301	tttattgatt	tgtgtgtgct	gagctaacct	tgcatcccgg	gatgaagcca	acttgacct
87361	agtgaataag	ctttttgatg	tgctgctgga	cttggtttgc	cagtatttta	ttgaagattt
87421	ttgcatcaat	attcatcagg	gatattggcc	tgaagttttc	tttctttgtt	gttgtatctc
87481	tgccggtatc	aggatgatgc	tggcctcata	gaatgagtta	aggaggaatc	cctccttttt
87541	atttgtttgg	aatagtttta	gtggaaatgg	tactacctct	tcttcctacc	tctggtagat
87601	ttgagctgta	aatttgatatg	gtcttgagct	ttttttgggt	ggtagcctat	ttactactgc
87661	ctcaatttca	gaactcatta	ttggtctatt	cagggattca	atttcttctc	ggttcaacct
87721	tgggaggggtg	tatgtgtcca	ggaatttatc	gatttcttct	agattttcta	gtttttgggc
87781	atagagttgt	ttatagtatt	ctctgatggg	tgtatttctc	tgggtgcagt	agtgatgtcc
87841	cccttatcat	ttctgattat	gtctatttga	ttcttctctc	ttttcttctt	tgtctagcta
87901	gttgtctctt	ttattaattt	ttttccataa	aacagccctt	agagtcattc	atcttttgaa
87961	cagtttttta	tatctctctc	tccttcagtt	ccactcta	cttggttatt	tcttgtcttc
88021	tactagcctt	gtggtttgtt	tgctcttggt	tctctagttc	ttttagttag	gatgttatgt
88081	tgttgatttg	agatctttct	agcttttgat	gtgagcattt	aatgctgtaa	atttctctct
88141	taacactgct	ttagctgtgt	cccagagatt	ctggcacatt	gtctctttgt	ctcttagttt
88201	caaagaactt	ccttatttct	gccttaattt	cattatttac	ctagaattca	ttcaagcaca
88261	ggttgttttc	atgtagtgtt	gtggttttga	gtgagtttct	taatcttgag	ttctaatttg
88321	tgttgttctg	cattttgcat	ttgctgagga	gtattttgct	acaaattatg	tgaccaattt
88381	tagagtaagt	gccatgtact	gatgagaaga	atgtatatcc	tgttgttttt	gggtgtctgc
88441	tttatccaga	cctgagttca	gatcctgaat	atctttatta	attttatgtc	tcaataatct
88501	atcttatatt	gtcagtgggg	cgaatcagt	acatttaate	gttacagcaa	acctatgaaa
88561	tataaatgta	gtattatccg	tattttacaa	gttagaaagc	tgaaacccac	agaggacagg
88621	ttccttagtc	aagattacac	atttcataag	agactgaacc	atattaaaac	caaaaatgat
88681	cccaatatcc	aaatcaaagt	catctggctc	tagaacctag	gcccttacta	cttcatgata
88741	gtgcctttcc	aaatttttaa	aaatatgcaa	gcattttttt	tctcttgaca	caccacaaat
88801	taattgtcac	tttgcaactg	ttgggagacc	tagtaagggt	tgttaaattc	atctctctat
88861	ataaggtaaa	gctataagtc	aatataatta	gatttgaac	ttatcaagaa	atgagccaat
88921	gaaaaataac	aacttctgct	tgggggagag	aggcttgtga	aaacgggttt	gttttttttt
88981	tgttttgtct	gatgggtaga	atctgcatga	gagcaaaatg	gaagccctga	tcctgatctc
89041	aaaccagaat	tgctgtagac	agccttacat	cattccagat	taaatgctgc	ctggagaccc
89101	acatctactt	tgttatccct	ttgatatatg	aaaaagtatc	cctttccccc	tgagccatgg
89161	cactggggac	acactatcag	cacctacaga	aatcaacaac	tgttccaaca	aaaagaatgt
89221	ctccacccca	aaatttaacct	ctgctaacct	caaagtagaa	acaataagat	cagtattcat
89281	cgtgcttttt	tattcataac	acccaaatag	gcttcttttc	ctttgcagaa	aatagacttc
89341	tttcccta	gcataagtcc	tatgcattaa	aataaagagc	aacatagaaa	atagtaattt
89401	acctgacaag	gggaaatggt	tgatttttcc	aatacttcaa	agaatcactc	ttcaaaaaaa
89461	aagggaatgtc	agtcgttttag	agaatgtgag	cataaatgca	attaaacaaa	ctaggagctc
89521	ccataagatt	atcagcccca	aacactaaga	aaatcttttc	atcatagtct	ccaagattcc
89581	ttccatagggt	atattttgaaa	aatgttaaca	gaaaaacttc	taccttcaac	aacacttttt
89641	gttaacttcaa	tttcaacttaa	atctataatg	ttgcagagag	cattgttttg	ttaaaaacaa
89701	caacacacaca	caacacacaca	caaaaaattta	aaacaagtta	aatatccctg	tgacactgaa
89761	cttaaacataa	aaaaaactatt	tgaaaagcagg	ttccatgtaa	atgttttttt	gtttcccttc
89821	tgtccctctgt	cattaaaggga	gatgagaagg	caaaatggac	cgagtagagg	cagacagggc
89881	acagtcactgg	agaaggggag	gtgtgttagga	gtaaaaggaa	ggaaaataag	gaaaagggaag
89941	gagagcaagt	gcattgagat	gaaaaactggg	ggaggatgta	cagtaataca	tgggaagtgg
90001	agttagggaaa	aaagaaaaatc	ctattgagga	ttaggagatc	attttaggac	ttatgtgagc
90061	tggagtttgt	taaaattttca	agcaatggca	ttgtgagttt	caaagttgca	tatgttggca
90121	gttcaaaaaga	agaaccagtt	ttaaaaggagg	ccaggaggcc	agttttttta	agracatcat
90181	ctgggttatga	ggatatgata	gttaaaaagg	aaagccagca	tttccaaaaga	aggatgtaga
90241	aaagatacatg	gtatagaaaat	tctgcacact	acaaggaaaa	tctggggaag	aaataatttc
90301	tgggttatgtt	aaataagctc	ggtcttggtc	caaggctttc	cagctcattt	gcctggctgc

FIGURE 1 (continued)

90361	tgaaatggta	atgtaaataa	gatataatta	ttggtttgcc	cattgagaat	tacaggctta
90421	ttgagatgaa	aggaaggcat	cataatgatc	acaaagctta	aatccctta	ggtcacaaaa
90431	ccaagtgtt	actaaggtea	gagacatgaa	tgctgaaggg	gactcagagg	gtactgtggc
90541	aatcaagaga	gtttctgtcc	catgtaaaa	ggacagcacc	actgagtttc	agttgctttt
90601	gccatttgag	taccaggca	ctgaatcagc	agatctaatt	tctcatgagg	ggctggttta
90661	atgttcaaga	ttatttgatt	caaagcaaga	aggaaggaaa	aaaggaagg	agggcaagt
90721	ctatgtgaat	caaataaatc	acatctatgg	gctaccagag	ctctgattcc	atacatttta
90781	gaagtggaga	gcttggttca	ggaaatgaaa	ggagcttggc	caaggtcaca	cagctagtta
90841	gtggtagagc	caagaacatg	ttaggaggca	ggcttccctca	ttcccagatc	agttgcctgc
90901	ctgtcttgtg	aagattctga	tgtactcaca	gacacactga	tttcttcctt	ttctccagag
90961	tttggcagtg	gccttgcttg	tgtgcttccc	tctccttagc	agcttggttg	aaaagtttcc
91021	aataaactca	aaaaaaaaa	atccaaatcc	aatgttgctc	tggtccatta	agtaaatctt
91081	ctcgatctgg	gaagcaagtt	ggaaaagaag	gttaaacaca	ttggtgtttc	atggagtttc
91141	taagagttgg	agtcagcaca	actaaaatct	tcactgcgcc	ctgggcctaa	tgttttgaaa
91201	cttgtctttt	ctttccattt	aaacatttcc	aaagtgttgg	tgctgcgctg	aataaaaaag
91261	cagctctaaa	aatacagatg	tattaaatac	cttttttttt	ttaaaagtac	tctgacttaa
91321	cttgtgtagg	taaaatttag	aatcaaagat	gccatgaaag	tagcaaactt	ctaaataagc
91381	agtagcataa	agatgctgca	taaaatgatt	ataaaaagata	aaagggacag	aaagtttatt
91441	aaacatgaga	gaagaaagtc	atatgccagg	aataaagaag	gatattcaca	ctattaagga
91501	gtcacattat	tttattacac	aatcatgcac	cccttaagga	catttcagtc	aaccaaggat
91561	tgcataatac	tggtgggtccc	gtaagattac	aatggagcag	ccagacacgg	tggtgcacc
91621	tgtaatecca	gcactttggg	aggccgaggc	gggcagatca	cgacatcagg	agttcgagac
91681	cagcctggcc	aatatggtga	caccctctc	tacgaaaact	acaaaaatta	gcctgggtgtg
91741	gtggcgcgcc	tgtagtccca	gctgctcggg	aggctgaggc	agaagaatcg	cttgaactca
91801	ggaggtggcg	gttgacgtga	gccgagatca	tgcactgca	ctccagcctg	ggcgacacag
91861	tgagactcca	tctgaaaaaa	gaaaaaaaaa	gattacaatg	tagcagaaaa	attctctattg
91921	cctagtgaact	tagtagccat	ggtaacaaca	tattgcaaca	cattactcac	atatttgtga
91981	tgatgctggg	ctaaacaaac	ctactacact	gccagtcatt	taaagtataa	cacatacaaa
92041	tgggtacagt	acatgatact	tgatgatgat	aataaatgac	tgttactggc	ttgtgtattt
92101	actatactat	attttatcat	tatttttagag	tgtactcctt	ttacttagta	aaagaaatta
92161	actgtaaaaa	agcctcaggc	aggctcctca	gaagatattc	cagaagaagt	cattgtttatc
92221	atacgagagg	acagacccat	gcattgtatc	gaccctgaag	accttccagt	gggacaagat
92281	gtggaagtgg	aagacagtga	tattcatgat	tatgacctg	tgtaggccta	aactaatgtg
92341	tgtgtttgtg	tcttagttta	gtttttaata	aaaattcaaa	aagtaaaatt	taagttaatt
92401	aattaaaaaa	aacagcttat	agattaagga	tataaagaaa	gaaaatgttt	ttgcacagct
92461	gtacaatgtg	tttgagtttt	aagctatgtg	tgattacaaa	agtgtccaaa	gatttttaaa
92521	aattaaaagt	ttatgaggta	aaaacgttag	agtaacctaa	gtttaattta	ttattggaga
92581	aaaaactttt	aaatttagtg	tagcctatgt	gcacagtgtt	tacaaaagtc	acaacagtgt
92641	acaataatgt	tttggccttc	acattcactt	accactcact	ggctcaccca	aatcaacttc
92701	tagtaactata	aaacttcattc	atggggaggta	ccctatgcaa	gtgtaccttt	tttatctttt
92761	ataccatatt	tttactgtat	ctcttctatg	tttagatatg	caaataactta	ccactgtaat
92821	acatttcccc	atagtattca	gtacagttaat	atgctgaaca	ggtttgcagc	ctagacgtaa
92881	tagggcacac	cacatagtct	gagtgcttag	taggatatac	catctagggt	tatgtatgat
92941	gtccacacaa	aaatgagtca	ctcaacaaga	catttctaa	aagggtatcac	tgtcattgag
93001	acacotgaat	gtactgtaaa	tatggcttaa	aagggtatct	gtagttaaaga	gatccctcaa
93061	aacacotcca	atcatacaga	ggaaaaggaa	gttttaacaa	agtatttgaa	aagtagttat
93121	gtaactatata	taaaaaaaaa	gttttaagac	agtatttgaa	aatagttatg	taaaataagt
93181	ttgcagcttc	tccagtgtca	aagctcactt	ataatcacc	aaacacatat	aagtctatct
93241	tatcccttaa	aatgggttc	atgaattctt	agagaaatat	tacacaatca	tgatttatgt
93301	gtgaatcatt	actaatataa	actataaata	tggaaattat	gtctgctttc	atacacaaga
93361	gttttactat	ttacatacaa	gagggagttg	gaaaatattt	gttaatactg	gaaaagaatt
93421	gggtatccct	ggaagcccag	aggcctagtt	tcctctcggg	ggctgatgtg	attattgtca
93481	tcagcagctc	cctccaaaag	ctaagagggt	ttggtaaaag	caataatgag	ctatgcatac
93541	atggaaaatt	ctttcatgtg	ctttcaacca	acagaattca	attaaaatag	gttcataatg
93601	tttgatattt	taagccaaat	cttcatagtt	gtataatgtt	actgacagca	tcagcagaca
93661	agacacaaaa	gttttgggaa	caggaagtgt	agtaattata	attgaaattg	agaaataaaa
93721	agaaaaggta	aagtaacaag	aaaatgggg	tgaattattt	ttctctacta	gtgttatctc
93781	ttgaaagattc	tgcttttcaa	taatacaaat	cacttctaga	agtattatta	ccatagaaga

FIGURE 1 (continued)

93841	aataatacat	tactgtattt	caaaatgcag	aatatcttat	acctctctag	agaagtcctt
93901	tttttttctt	tttttttttt	ttttttttga	gacaacagtc	ctgctctgtt	gccagagctg
93961	tagtgcagtg	gcacaatctc	agctcaccac	aacttctgcc	ttccaggttc	aagccattct
94021	tctgcctcag	cctcccaagt	agctgggatt	acaggttcgc	accaccatgc	ctggctaatt
94081	tttgatattt	tagtagagat	ggggtttcac	catgttggtt	aggctgggtg	cgaactcctg
94141	acctcaagtg	atctgcctgc	ctcggcctcc	caaattgttg	ggattacagg	tgtgagccat
94201	cgtgcccggc	tagtcctttc	cttttgcttg	cattcctgta	agagagccta	agcctcagcc
94261	tgtgtaggag	cacagaactt	tttaagatga	ctcatataca	tgaggccctc	ccctcagctg
94321	ttccatcatt	gagaaacttg	tttctccatc	ctacattttc	tcagctttctg	ttattaaacc
94381	tgatcccatg	gagatggaga	cagcttcatt	tcatttcagg	ctctaaaagt	cttcttgagc
94441	tagggggtct	catctaagcc	cgtggcagta	aataccacat	ttacactaac	aattcctaca
94501	tctatctctt	tttaggtata	acctctctgc	tgaccttaag	cctcacacat	ctaactgcct
94561	ctaaggcacc	tcaaattcac	cataccaga	taagcttata	atcttccctt	gaacacaaac
94621	atgcttttat	cacagtagta	gaactactat	gcacccagtt	tccaagaca	gaaacctagt
94681	aagtgttggc	tcattctctc	ccctctccat	cttctctcta	tattcaatca	atcatgcatt
94741	tcagttttat	tcagcaatct	catttgccata	aaatttacca	gattttcttc	atactcaaat
94801	tggaggacac	catagctttc	ctggattatt	gtcatatctt	cttaactgag	atagcttcgc
94861	cattttcaac	cctacacaat	gaatttggtt	cttagggaga	ctgactcctta	gaaaatgtaa
94921	tgctgaccgc	actcatctgg	taaagoactt	caataactcc	ccattgctct	taagggtgaag
94981	tctaagccct	acatggtttt	cccagtttaa	gtgtttctac	tgagccttca	gcttcggctt
95041	cccattggact	acttctcat	ttcactccat	ttgttccctt	ctcccaacct	taattgtcta
95101	atttattcat	cagaactcag	cttagatata	acttcccttg	aaagctttct	tcgacatttc
95161	ctaagtgcct	cactggcata	aagtattttc	cctatcttgg	cacttatagc	actataatgc
95221	aattacatgt	ttctttattc	aacaaagatt	tattgagtgt	ctattatata	tgccaagtgt
95281	tgttttagat	gctggaagta	tggtagcgaa	caaaacagac	aagttgtcac	tctcatgggt
95341	ttatatattca	acaaacacta	ttgaattaag	aaagaaatac	atgttggaga	gtaagtgtca
95401	tgaagtatgg	agaggataat	gtgatagagt	gtgactgggg	caagaagaaa	tcttttagttc
95461	aaagtgatga	gggaaggcct	ctctgataag	ccaacagggg	agctgagaca	cgaaagttag
95521	aaaacaagtc	ctgtgagttt	ctgaggaaga	ggattccaag	cagtagaata	cacacaaaca
95581	cactaagatg	gaaatgatct	tggcataatc	cgggacatgg	aaaagacaag	caagagaaaag
95641	actgatagaa	tgagggcaaa	gtggtgaagt	gagtggcaca	gtggcacaat	catgggggag
95701	atggacgctc	tgatgtagac	ttggggttta	attctgcctg	gaatagaagc	gatggagaga
95761	tgtgaataga	gctgtgatat	gaaccaactt	agaaggatca	ctctgtctgc	tgtgtggata
95821	aaagactata	agaaataagg	tggagaaaga	gaccatttag	aagactgtag	cagtcaatag
95881	ttctggcaag	agatgatagt	gcctgggact	actgtgcata	ttagatactg	taggaactag
95941	atgttttttg	aacatacttt	aaaagttaaag	tgcagatgaa	ttgaatatag	gatatgagag
96001	aaagaaagta	gtcaaggatc	ataccatata	tttttgtctg	agcaagtagt	aaactacagt
96061	gatcattata	gtatcctctt	ttatccacag	gtgatatgtt	ccaagacccc	ccagtgaata
96121	tctgaaaatg	aatactacca	gaatctatac	tatgttttct	cctgtacata	tatacgtatg
96181	ataaagttta	atttataaat	taggtaaagt	aagatattaa	taacaataat	aataagagaa
96241	caagtataat	aatatagtgt	aatgaaaagt	atattaatgt	gctatctccc	tgtctctcaa
96301	catatcttat	tttgctgtac	taacccttat	gatgatgatg	tgaaatgata	caatgcctat
96361	gtatgtgatg	agctgaagtg	aggtgaatgg	caggcatttt	gatggagcat	taggctgcta
96421	ttgagcttct	aataagtcag	aaagaagatc	atctgcttct	gggtgacttg	gatcattcag
96481	ccatgattgg	atgcctggag	cagacaatgt	gatggtagag	gattccataa	ttgaagtttt
96541	ttgccaaaaa	gttttggaat	aacattataa	ccataataaa	aatttgctgt	ctctttctct
96601	ttaactcctc	aaagtgttgc	tgccgaggtt	gtaatccttt	ggtaatccta	atcattatgag
96661	tgactttaat	gotgcatttg	atccaaggat	tatatcccat	aattttgtcc	tttaattgtct
96721	ttgcagctga	aaacatgtca	gaaaattttc	gtaatgtcca	catttgctgat	tctgctcttg
96781	ttttttattc	ttcttcgtat	ccctattctt	ctgtagatga	ttcaacaagt	ttttccaatt
96841	tcttatttgt	taatacttct	tgatggcctt	caaaatgttc	ttccacctga	gcaagtatgt
96901	tggcaaatcc	ttctcctttg	ctgcagggaat	tattttctca	aatttgccat	caaccttcag
96961	gaagctttca	caatttcact	ccatattgtt	tttcagcaga	cattttgcagt	tttggtttta
97021	attcaccaat	tacaacttga	ttaatattat	tgtgacagca	atagttagtg	atttccagca
97081	ctccataatg	tccagattag	agtctgcata	aatttgctaat	tgaattcaat	caaatactga
97141	gcaggtttat	gtggccttga	cagactagat	gataacctgg	tcaaggggct	gaagcaatta
97201	gggtgtattt	ggaggtaaaa	atgcaacatc	aacattttca	tttttgtagc	aaatatccag
97261	gatggttcag	tgacttccct	attattaaaa	agactttaaa	ttccaatcct	ttattcttca

FIGURE 1 (continued)

97321	agtattttttc	acttccagga	tgaagcattg	gtggaaccat	tccataaaca	atatggctat
97381	cattcatgca	ttctgattat	gttaccataa	catgggcaaa	taatttttgg	ttttggcatt
97441	ggtttttgat	ctttgctttg	tacactatgc	cgggctttat	cacatgcctt	gcagttattgc
97501	cacacagtac	cagagttaat	ctgtccctcc	atgtttttatc	acctgatgcc	ttttttggac
97561	ttttatgaat	gtaggtgcta	ttggtcattc	tcttccagca	gagccagggt	tcatcacaat
97621	tgaagatttg	ctttggatgg	tatcctttct	ccttaatcaa	ttcctttaaa	tctgctggaa
97681	atgtgcagct	tcttcatctg	cagatacagc	ctcttcagta	atttttatat	tttcagggttc
97741	aaacctattc	ctgaatctgt	ataattatct	cttacttgta	gtaaatggct	tgggtgtcact
97801	catttcaaaag	aateccettgc	tgaagtcttt	atataggctg	aatgggccc	agtacaacag
97861	gttgcccttca	atcagtatat	gtttttat	ttgctcatga	cttccaccca	caatttaagg
97921	ccttttccat	cataactaag	cacttatcat	gcactgtgcc	cataaatttt	tcagtttgag
97981	tagcaagagc	aaaactagca	caattttctt	ttttctattt	cacgatttca	tgtatagaaa
98041	atttattatt	actgtattag	tcagttctca	ggctgctgat	aaagagatac	ccaagactgg
98101	gaagtaaaag	agggttttatg	gacttacagt	tctgcggggc	tagggaggcc	tcacaatcat
98161	ggcagaaaagc	aagaaggagc	aagtcacatt	ttacgtggat	ggctgcaggc	aaagagagag
98221	cttgtgcagg	gaaattccca	tttttaaaac	catcagatct	cttgagactc	attcactatc
98281	acaaaaacag	tccaagaaag	acctgctccc	ataattcaat	cacctccac	cagattcctc
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98401	ccaaaccata	ccattccacc	acaggccctc	ccaaatctca	tgtacccaca	cttcgaaaca
98461	aatcatgcct	tcctaacagc	ctcccaaagt	cttaactcat	ttcagcatta	actcaaaagt
98521	ccacagtcca	gcgtctcatc	tgaagacaag	caagtccctt	ccacctatga	gccggtaaaa
98581	tcaaaaagcaa	gttagttaat	tccagtttac	aatgtgggta	caggcactgg	gtaaaatagg
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98701	aatccagtgg	gacagtcaaa	tattaaagct	ccaaaatgat	ctcctttgac	tccgtgtttc
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98821	gtagctttcc	aggatacagc	ctccctccca	gctgctttca	cagggtgtgt	ggctgtgtgt
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99121	ctctgaaatc	tagacagagg	ttcccaaac	tcaattcttg	acctctgtcc	accagaggcc
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99421	ttcctctcct	tgtctttggg	attatcattc	atctcctcgt	tacttctgca	aatttctgca
99481	actggcttga	atttctcctc	agaaaatgga	attttctttt	ctattgcatt	atgaggctac
99541	agattttcca	aatttttatg	ctctgtttcc	cttttaaaac	tgaatgcctt	taccagcacc
99601	caagtaatat	tttgaataca	ttgctgttta	gaaactctt	ccaccagaca	ccctaaatba
99661	tcttcttcaa	gctcaaagtt	ccacaaatct	ctagggtagg	ggcaaaatgc	tgcaggtctc
99721	tttgctaaaa	cataatgaga	atcgccattg	ttccagttcc	aacaagttcc	tcatttctat
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99841	cattcaagaa	gtctctagga	agttccaaac	tttcccatat	ttttctgtct	tcttctgagc
99901	cttccaaaact	cttccaaact	ctgcctgtta	cccagttcca	aagtcaactc	cacatttctc
99961	ggatcttcta	cagcaatgcc	ccactctact	ggtaccaatt	tactgtatta	gtctgtcttc
100021	atgctgctga	taaagacatt	cccaagactg	ggaagaaaaa	gagttttaat	ggacttagag
100081	ttccacatgg	ctgaggaggc	cacacaatct	tgggggaaaag	caaggaggag	caagtctat
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100201	ccatcagatc	tcattgagact	cattcacttt	catgagaaca	gctcaggaaa	gacccactcc
100261	cataattcca	tcacctccca	ccaggttctt	cccacaaat	gtgagaattg	tggagtttac
100321	aattccaagat	gagattttgg	tggggacaca	gccaaaaccat	gttaattacc	ttagatctta
100381	ccaaacctcag	catacaactt	ttttcttttt	ttttctcttt	tttgctttcc	tttaattcaag
100441	agaatttcato	tttttactta	aaggaagcac	aatacagttt	ctcttttagtg	tatccaagtt
100501	gtcagcatca	ttactcttgt	gctttgaggc	cattattaat	taaaataagg	gttaattgaa
100561	cagaacacag	tgatacagtg	atactcaaca	agctgggcag	taagtgaact	ataggcaggt
100621	ggtgtgcaca	gcaagaatat	gctgaacaaa	gcaatgatcc	acattccagt	taggacagag
100681	tgggatgggt	tgagatttta	tcacacaatt	cagaactgtg	tgcaatttaa	aaatttatgaa
100741	gtggatctat	tagcatcttc	catttaaat	tttcagacca	cagtttgcgt	aaggatcttg

FIGURE 1 (continued)

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100861	tatcaaaaagg	ccagattttag	aagcagaata	tcaagaattc	aattggggat	atgataggtt
100921	tgagatgtcc	attgtagatc	taagtggaga	tgtggagtaa	cagttgagta	tataaactga
100981	aatttgagct	aggtgtaatc	tettgcatta	ctccattctc	aaatggctat	aaagaaatc
101041	ctgagactgg	gtagtattata	aagaaaagag	gtttaattga	cttacagttc	ggcagattgt
101101	aaaggagaca	tggctgggag	acctcaggaa	acttaacagt	tacagcagaa	ggagaaggag
101161	aggcaagtat	gtcttacaat	ggcaaaagcag	gagagagaac	aaagggggaa	aggctacaca
101221	cttttaaacc	acaagatctt	gtgaaaactc	actcagtatc	ttgagaacga	caagaggaaa
101281	atetgecece	atgattcaat	cacctcccat	gagacccctc	cctctaaaac	atgggaatga
101341	caatttgaca	tgagaattgt	gtggggacac	agaaccaaac	catatcattc	caccatggct
101401	cctcccaa	ctcatgtcct	tctcacattt	caaaacagaa	tcatgccttc	ccaatagtc
101461	cccaggtctt	aactcatttc	agcattaact	caaaatccaa	gtccaaagtc	tcatctgaga
101521	caaaagcaagt	ctcttctgcc	tatgagcctg	taaaataaaa	aacaagttag	ttacttcaaa
101581	gatacaaggc	gggtagaggc	attgggtaaa	tttctcccat	tccaaaaggg	agaaattggc
101641	caaaacaaag	gggttacagg	ccccatacaa	gtccaaaacc	aagcaggaaa	ctcattaaat
101701	cttaaagctc	caaaataatc	tcttttcagt	ccatgtctta	catccagggc	atgcttatgt
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101821	accacagctg	ctttcacagg	atggtgttcg	gtgcgtatgg	cttttccaga	cacatagtgc
101881	aagctgttgg	ttgaaccatc	attcagggaat	ctgaaggaca	gtggctctct	tctcacagct
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102121	cttgccctct	gcacaccaca	ggcccaacac	catgtggaag	ctgccaaagg	ttgggacttg
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102361	atataactga	atgctttcag	catcaaccag	gtcaactctt	gaatgctttg	ctgcttagaa
102421	atgtcttcta	ccagataccc	taaatcttct	ctttaagttc	aaagttccat	agatccctaa
102481	agcaggggta	caatgctgcc	agtctctttg	ctaaagcata	gcaagagtga	cctttactca
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102961	gagagagagc	aaaggggaaa	gtgcaacaca	ctatttatut	atttatattt	ttatttatut
103021	atttatattt	ttgagatgga	gtttcacact	tgttgcccag	gttggagttc	aatggcatga
103081	tctcagttca	ccacaacctt	tgcctcccg	gttcaagtga	ttctctctgg	tcagccctcc
103141	ccaatagctg	ggattacagg	tatgcccac	cacgcccgtc	ttaactttgt	tttaggtaga
103201	gacgggggtt	ctccatgttg	gtcaggctgg	ttctcgagct	ctcgacctca	gggtgaccc
103261	cagccctcgg	cctcccaaag	tgtctgggatt	acaggcgtga	acctcacagt	ctggcgtgca
103321	acataacttt	aaacaagcag	atctcatgag	aactcactca	ttatcacaa	aacagcaaga
103381	gggaaatcta	ccaccaagat	tcaatcacct	ctcatcagac	ccctccctca	acacatggga
103441	attacaattt	gacatgagat	ttgggtgagg	acatagagcc	aaaccataat	atctcttaaa
103501	caacaactaa	aaatcaatct	gtgtgatcac	agatccctgt	ttttgtcttg	gtttgtctta
103561	actgttaaat	gtctatgctt	agcatgtgcc	tgacacagag	aagggtattca	ataattgata
103621	tttgggtgaat	gaatgtacaa	attaactttt	agtttcatgg	tttgaaacag	gtttgtgtta
103681	ttttgtgatga	ttttgtgaatt	accaccaatg	actataattt	aaattttcaa	acacaaaaca
103741	atgagaatag	ggaatatgag	gaaatgttga	ctctggccaa	gttatctcta	aaacaaacaa
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103861	attttgtgtc	cagctaaagt	gtgggtgtct	ataaacttat	atccaagaca	tacttaataag
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103981	aaatagtga	aattgccttc	agtcaatagt	ctaagcagaa	atttgaaaat	tgccttcata
104041	atataaactc	gagtttcttc	tgtgttggcc	tgaagaaaga	aaagtaactg	tcagcaaaata
104101	acgaaaataat	tttacttgta	tttgaaattc	tgttctttta	aaaaataaat	taaaaaatat
104161	aatatttaagc	aacctgcac	cagccttcag	gcaaggcccc	aattgggtga	cactgaaagg
104221	ctactgtgac	cttagggtaa	ctgtgcactc	ttctgcaacc	attgttaagt	aatctaatca

FIGURE 1 (continued)

104281	gtattatggt	aggcaaagat	tgcagataac	caagaaattc	cttcagtagt	taaaaaaaaa
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104401	taatttgtga	tagattatag	atttaaatgt	aaaaaaaaata	aaactataga	gttgctagta
104461	gaaagcataa	cagaatgtct	tcataaaact	tgggtaggca	aagatttcta	aaacaagatc
104521	tagaattaat	tatcctaaac	tattaaaaat	taacattttt	aactattgac	taataagcat
104581	taaaataatc	gatacaattg	atgtcatcaa	ggttcacatt	tctgtctcatt	aaaaggctact
104641	actgagaaat	tgaatgggaa	agccgtagag	tagaagaaaa	catttacact	acagtacagac
104701	ctcttttattc	atcggtttcta	cattcatgga	atcaaccaac	cacaagccaa	aagaattttt
104761	taattgtatg	tttactaaac	atgtacagat	ttttttctta	tcattattcc	ctataaaaata
104821	cagtataaca	actatttcac	agcattttact	ctctattaga	tattgtaagt	aatcctgaga
104881	tgattttaaag	tatacatgaa	gatgtacata	gttttatatgc	acatactatg	ccatttttatt
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105061	acacccaatt	taaaaattgg	caaaagactt	acataggcac	ttcactgagg	aagaaataca
105121	aatgactaat	gaacacatta	aagatattca	ataccatttg	tttcctggta	aatgccaatt
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105241	agactgacaa	cacgaaatgt	tggcaagaat	gtggaacaac	tggaaatctc	acacattact
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105361	gctgtgctga	ctttataacc	cacaaaattc	acccctagtt	atttactaaa	gagaaatgaa
105421	aaatatatgt	taacaaaaaa	gtacgcaaga	atgttcagtc	actttattca	tagtagccaa
105481	aaactaaaaat	taatcaaatg	ttcatcaacc	gtggatggat	aaattgtgct	ttatacaatg
105541	aaatagttat	agtagtaaac	agacaaataa	aaaacctgct	catacacagt	aacagcatgg
105601	aagaattctta	aaaatattat	gctgcaaaag	aaaacaggca	caaaggagta	tatcttgtat
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105721	cttgaggtaa	aggcagtga	aaggatttaac	ctaagaagaa	tttctaggat	gctaagaatg
105781	ttttatatct	tgatagatta	tggattattt	ggatgtatgc	aaatattcaa	actacaaatt
105841	ttgcatttaa	aatgtatgca	tttactgca	tattagttat	tcctctatta	aaatattttc
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106201	gatgcaagag	atatcacata	cttctgtcaa	acatcagaaa	ttcttcttca	ttagtatttc
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106321	atcaactcagt	ggccctctgc	ataaaaagcc	aacaaaagta	acttccccca	ggtggagatt
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106681	taaaaactgaa	ttagatttta	aaaacagata	aaagtggctt	tatagtaaaa	atttttgtta
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106861	ttccattttt	caaaaaatata	gactttaaat	tcagggtctga	taagatgtct	tgcacaggga
106921	agactggaaa	tggaaatatt	tcacttttca	gcttcaatag	tggaaagtagg	tgagaaattt
106981	aaatggctta	caggcagcca	gaggcctaca	tttgccata	aactttgaca	tttagatgac
107041	ttgatgagga	gacaaaataat	acatcacaa	ttattatcta	gaaaataaaaa	tattttttat
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107161	caataaaaga	aaaaaaaagaa	ctatgtaaa	ttgttaaat	agggaaaaaa	atgttgggtg
107221	tttgggcaat	gctttaaact	actgtccata	aaacgttgtt	cttcagaaa	tacagtgtat
107281	ttctcaataa	cacaggacag	atgttggta	gatgctagat	atatccagac	ttgaccccaa
107341	atgtgacatg	ttactgtggg	taagcttgaa	ttactactct	ttatgcttta	tttaaccaaa
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107461	taggaattgtc	tgggtggcat	aagaccacaa	gcatttaggg	gctgataagt	ttctccaggga
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107581	ataattattt	tttaagttgat	ttttgggtcaa	agtcacaggac	ttttgtgaat	gtaaaattctt
107641	ctctcttgct	accacctttt	agagcataca	tatagatcaa	catgttgata	attcagtgac
107701	ttctttccat	aattatttgt	cttaacttgt	gaatgtgaaa	ttttaaaactg	atttattgag

FIGURE 1 (continued)

107761	taatgtcaat	acttaatttt	caagatgtta	aattcattgt	ctaaagttat	attgtcttca
107821	ttttcttgtc	tatgaagtat	agattctact	tgcacttttt	cttagtataa	acttattttac
107881	acaaatatct	agaagagata	aatcatttta	aatgtttccc	attttaactt	ttaaagacag
107941	gaaataattg	gaagtccaac	aaagaaagt	aggttagatt	tgtgaaactt	attgtgttat
108001	gtttctaaat	tctaaaaaatt	attttttaact	gaaagaagta	ggaagtacaa	atatatcagg
108061	atttagataa	aactttttcta	aagacataag	ttttatctct	agtataagaa	ataatctgtat
108121	gcacaaatgt	gcagcctgga	tttttactgt	agtaccaaatt	tttaagaata	tctcttaact
108181	actatcacac	taataagcca	tggtttgaaa	aatgaagcca	cagaacatat	ttatttgaat
108241	gaaacatcag	gaagatatgc	agatatataa	tatttttgctt	tgcactctgtg	tgtttcttta
108301	aaacctgtg	ttacctccga	aatatctttt	ctttcttttag	ccatattttct	atctatgagc
108361	aaggcttgaa	aggtgactta	aagggggagt	aaagggtctg	ccaaagctta	caacattctt
108421	attgatgtta	aatatgaaga	attttctaga	atgcttacaa	aataatcatt	ctgcatttat
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108721	aatggaaaaa	atatattcaa	actatgtgta	tatatattaa	aagggtcaata	tattaccact
108781	atcacacaat	ttatgagata	cttccaaata	tgccatttta	ttttacttcc	ataaatatgt
108841	tgtgagttag	aaagggcaag	tattaatcac	attcattttg	aagatgaagt	aacttcaact
108901	taagtgcacg	tttcagatcc	aaaggagata	aagtaactga	attctgtctc	aactgaatga
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109021	atagcagggg	gattgagcaa	gaaatccaga	acccaaagta	caagcaatcc	agtggggagt
109081	tttcttggtt	tctctttttt	ccaccatata	ctccttgctt	tagaggataa	tatcccagaa
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109201	ttctattttt	tttggttttg	tgcattggaa	gtagagtctc	tatgaagcag	aaaaagtgtg
109261	gggaattccc	cgagcttctc	ttgtctctct	aacttttgctt	acagcaacct	tcactctctga
109321	atctccaaact	ttgtgggtgt	agtcatggca	accaggcagg	taccgaaaac	tctgagagag
109381	gagagttcgt	ctctctaacc	aaaaaaaaaa	aaaaaagcta	tggaaaagaa	aacctctccc
109441	tttcacctct	tcttctctgc	acttggtatc	ggaggcagaa	tgagtcaaat	aatgtacaaa
109501	gcaggggtgag	gagacgtagc	caggcaacca	agaaggaagg	actctgggag	tgaggcaatc
109561	tgggtggagac	tgtggggata	aggggattca	agaaaggaat	cccgaaggtt	ttatatgaac
109621	ccttgctctc	acatctgagt	tgaatggtgg	atctgatcct	aaacagtatg	cctaaccggc
109681	tttgagaaca	aaaaatatga	gggagactac	cacacacatc	tgagacctgc	tgagctgggtg
109741	gcacacatgc	agaagagctg	aacaacattg	aaaaggcttt	gaaaatatac	tgatatttga
109801	actacagtac	acataaagtg	tgtaaagaaat	tgcagccagc	acccaactga	atcaattctc
109861	tactaaaaca	aacctaacaa	caatgaaatg	ttatccatat	gatttaatgt	agatccagac
109921	cctcataaatt	taatactcaa	aatgtccagc	atccaatcca	aaattactca	acataataaaa
109981	gaactagaaa	agtctgacaa	attaccaaga	gaaattaaaa	ccaacagaca	ccaacccaat
110041	acgaaaacaga	tgtagaatta	tcaaaagtta	aaaagctttt	ttagcatgct	caataaagtc
110101	acaacaaaca	ttcttttaaaa	aatgggaaga	aaaaaatgto	tcatacagaga	gatgaactta
110161	taaaggagaa	ccaaatggaa	attttacac	tgaaaaataa	aaccactaat	gttcttttaa
110221	atccgttaat	ttaaaaaaa	attcagtaga	tgggttcaat	agcagaagga	agacaattaga
110281	ggaaagtaat	tttgtagata	aatcaataga	aagtattaaa	tttgaataat	ggaaataaaaa
110341	tattgaaaaa	aagaacagtc	ttgggaactt	gagggcaata	tcaaaaagtc	taaacatttgt
110401	atcattcagaa	ttccagaaaag	ataagaggaa	gatgggtggt	cagaaaaaaa	ttttgaaagaa
110461	ataatgggtg	aaaacttccc	aaatttgtgt	aaagacataa	acctacaaat	taaaagtctat
110521	caaacccaaa	agagaatgaa	ctcaaaagaa	tacatgccc	tatacatgtt	aatcaagttt
110581	atagaaacca	aaaataaaga	aaaagtgttt	aaaggagcca	aagcaaaaaa	atacatctta
110641	tataggagaa	taactattca	aattattgta	catctctcat	cagaaaagaa	acagtgttgt
110701	gaaaaatttta	ctgtactgaa	agaaaaggagt	tgtcagccta	gaactattat	tcagttaaaaa
110761	taaccttcat	ttacaaatga	agataaaaaa	taaagggtac	tcaaaattaga	aagggaagag
110821	tcaaaattatc	cttgttttgt	gatgatatga	tottactttt	ggaaaaacta	ccaaaaacta
110881	ttagaactga	taaacaaatt	cagtaaaagt	gcaggataca	taatcaacat	acaaaaatca
110941	gtagcatttc	tatatctcaa	cattaaacaa	tctgaaaaag	aaataaaaaa	agtaattccaa
111001	tttacaatag	ctaaaaataa	gataaaagaa	ttaaagaagt	aaatgatcct	tacaattgaaa
111061	actataaaaat	attgaaagaa	attaaagagg	acacccaaaa	cagaaaaaat	tttcatgttc
111121	atggatttga	acaatcaata	ttgttaaaat	ttttgtaact	ctcaaaagaa	tctacagatt
111181	cagcataaat	cctgacaaaa	taccaataac	attcttccaa	gaaaaaaaaa	agaaattttta

FIGURE 1 (continued)

111241	aatttatatg	gaaccacaaa	agatccagaa	cagccaaagc	tatccttagc	aaaaagtata
111301	aaactggagg	aaccacatca	cttgtcttca	agttattgta	cagagctata	gtaacacaaa
111361	cagcatgttt	atggcatgtg	aacaggtaaa	cagaccaata	gaacagaata	gagaacccag
111421	aaataaatcc	atacatctac	agttagctca	gttccaacaa	agggtccaag	gacttaagtt
111481	gaggaagaac	aatatcttct	ataaatggta	ctgggaaaac	tggtatgtcca	tatgcagaag
111541	aatgaaaata	gacccttatg	tcttgtctata	tatgacaatc	aaatcaaaat	gaatgaaata
111601	ctttaaccca	agaatttata	ctatgaaact	actacaaggc	aacattgggg	aaactctcca
111661	ggacactggc	ctggacaaaag	atttcttgag	tagtattttca	caaacacagg	taaccaaaagc
111721	aaaaatggac	aaatgggatc	acataaagtt	aaaacgcttc	tacacagcga	agagaacaac
111781	caacaaagtg	aagaaacagc	acacagaatg	ggagaaaata	tttgcgagct	atatacctga
111841	aaagggatta	ataaccagaa	atatataaga	gcttaaacia	atcaatagaa	ataatctaata
111901	aatctgattt	taaaatgggc	aaaggatcta	aatagacatt	tcttaaaaga	agacatacaa
111961	atagcaaaaga	gtaatatgaa	aaagtgttca	acatcactga	tcatcagaaa	aatgcaaatc
112021	aaatctacaa	tgagctatca	tctcaccaca	gttaaaatgg	cttttatcca	aaaggcaggc
112081	aataacaaaa	tgctgggtgag	gatgtggaga	aaaggaaaaca	tttgtacacc	atttggtataa
112141	atgtaaatta	gtacaaccac	tgtggagaac	agtttggagg	ttcctcaaaa	aactgaaaat
112201	aaagctaccc	atatgatcca	gctatctcac	tactagaaat	ataccgaaa	gaaaggaaat
112261	tagtatattg	aagcaatatc	ggcacttcca	catttattgc	agcagtattc	acaatagcca
112321	agatttggaa	gtaacgttaa	gtgtccatca	gcagatgaat	ggataaagaa	actgtggtac
112381	atatacacaa	taaaatacta	ttcagccata	aaaaaagagc	gagatcctgt	cattagcaac
112441	aatatagatg	gaagtgtagg	tgcttatgtt	aactgaaata	agcctgacac	aaaaaaacaa
112501	agttcacata	ttctcattta	ttttgtagg	gctaaacatt	aaaacaattg	aattcataga
112561	catagggagt	agaatcatgg	ttaccagaag	ctgggaaggg	ttatgggggt	tcagggagat
112621	tagtcaatgg	gaacaaaaat	atagatagat	acaataaata	agatccagn	ttttatagca
112681	caacagcatg	actatagtca	acaagaattt	acacaaatct	gtgcacttta	aaataactaa
112741	gagtataatt	ggattgtttg	taacacaaat	aaaggataaa	tggtcaagg	gatagatact
112801	ccataaatatc	ctgatgtgat	tattacgcac	tgtgtgtctg	tgtaaaaaaa	cctcacatac
112861	ctcataaata	tatacatcta	ttatgtaccc	actaaaatta	aaacaatagc	ancantatat
112921	nccatagatg	aaataaagat	ggttttggat	gaatgaaaan	nnnnnnnnnn	nnnnnnnnnn
112981	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
113041	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
113101	tttttaattctt	acttccttgt	ccaaaattgc	tacttgagtt	tcagtcgttg	cattcgtatt
113161	ctgggcagct	aagagaggca	cggtagtaaa	aacaggccat	ctcagtttca	tcactctctt
113221	taagttgcct	ttctagaagt	cttaccaaat	agtttctcat	actttgatca	gaacgtatgt
113281	atgtgcccac	tcataatacc	caaaggaaaa	tctgtttttt	tatttttaagc	agatatatgc
113341	tcctgaaatc	tgagttccct	tattggggag	ttgagggaat	gttgggtaca	ataagpagtc
113401	ttccatagac	cctagagaga	atattcctga	aattgatgtg	agtgaactc	tggagtacag
113461	ttaaagcaaga	ttttctaatt	tgagaatact	tttatcatat	ttaccaatat	aagtgatgat
113521	tttaataaatt	tactgtatat	attggataca	gatataaaaag	ttacttgtgt	gtttgtagtt
113581	gotgtcatta	ggaacacaaga	ttttctttaa	gtgtattttg	caatgagttg	caactatagc
113641	agtttctacc	tttttagctaa	atactttagt	catctaaata	ttttgattag	acacttaaga
113701	tataagaata	ttaaacttta	aattccctca	aagaacaaaac	tatatattaata	tgataggaat
113761	gtttgtctgt	tttgttgtca	ttttcaatat	cattttctatt	cttatgtttt	aggaagotat
113821	taacatcaca	ttggatcaca	aatgcaaaat	tttccagacc	ttaaatggag	ctgtaggtat
113881	gotttctaaa	taccgatttg	cttacgtata	caaacaaaaca	cctgtgtttt	caactatctt
113941	tcctttgtta	tgctcatttg	ggggctgtga	ctaaggctga	cagtgtaaat	attgtaattta
114001	ttgttaactta	acaaaaatac	tagacttgaa	cttaacatca	gtacattaaa	ttaaaaatcat
114061	ttcttatgac	tagtgtgaaa	aagataagct	tctggcttta	ggtaacttaa	aatttagtpt
114121	ttcacccattt	gggaatttta	gataagttta	ttaaattaat	acactttatt	attatcacatt
114181	ttctagtga	attctttgtta	ttacgaattta	cccagagtat	tagagttagat	ccttttgaaa
114241	cagctgaaaag	ataaactgggtg	acaactagac	agtagactgg	ggaagagtgt	gtgtgtgtgt
114301	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtac	atgtcgtgtg	ggatatgcac	atgtgctgtg
114361	gtattataga	tacatatatc	ttgataaaaat	acattaaaac	taatcaatac	agtaaaaatt
114421	aaaaatataat	ttattaacac	ataaaatactt	ttaaatatac	atataaaaaat	tgagaatata
114481	ttgcaattca	atcaataactt	caagtccagtc	catttagtaa	aaagattcctt	aaaaatctagt
114541	caggcatggg	gggtcgtgac	tatagtcacca	gctatatgag	aggctgagga	ttgattgac
114601	ccaggagttc	gaggctgcaa	tgacctgtga	ttgtgtcctt	gcaactcagc	cggggccaga
114661	aagttagaac	cagttctctaa	aaaaaaaaaa	aaaattccca	caatgcaaaa	tgcttagttt

FIGURE 1 (continued)

114721	ggagtgc tca	ggaaatttta	agacgatggc	tctgctcctc	tctgacttga	gttttatctt
114781	gcttaatgtg	ctaagctctga	tttttaagaa	ctggaaatat	tatcattggg	agccaattgt
114841	agaacccttg	cttatgccag	acaatatctt	actcaccatg	catatattgt	tattatcttc
114901	ataataaccc	taaaagacag	acgtggatac	catttgatag	atgactaaac	tgagttacta
114961	atttaacttg	gcaagaataa	caatactatg	aaggggcaaa	ggcaggattg	caagatgaat
115021	tattctgaca	gacagctcac	tggcttagca	cctcaatcac	tttactgggtg	ccaggttgga
115081	gtgagtttgg	tatctgtatc	tgttgctact	gtcatccttc	attttgggta	tctgctggct
115141	tggagtagat	gaagttacta	gaagtgttgt	agcacttgga	atattacatc	catgagaaat
115201	tttgtaatga	tgatacaaac	acatacaaac	acagacacac	gaatacagac	acacacacac
115261	gtatttttaa	ttactaaagc	ctattttctc	tttttaaccc	agatgaagtt	gttttaaaat
115321	ttgaaaatgg	caaagccaga	gctaagaata	cattttatga	aacattacca	gtggcaatta
115381	atggaaatgg	accacccaag	gtaagtaaca	gttactttta	tttggccaat	tcttgagat
115441	agactatgga	ttgatatgtg	gaatgtcctc	tatttttatt	ttaaaaattt	ctttcaaaga
115501	ctttattttg	gtgctaaaa	aaagacttca	tcttttacac	agtatatcat	ctggttttat
115561	actaattaat	taatcaaact	gatttttcc	cagcagagtg	atagcctttt	attctattta
115621	cagcacattt	ggcgttttat	taaataataa	caactaactt	gggagtggac	cacatttctc
115681	tcatactggg	tatcctttct	cattaggaat	tgtcaggac	attaagagat	catttgtttc
115741	acctgacttg	ccgttttcta	agttaacaac	actgttaaga	ttgggggtatt	acaatatggc
115801	cagaaaagctt	cctctttctc	ttatttcatt	aactacagtt	aatgaaagtg	acataatttg
115861	accaataaaa	ttttggatgc	ctttctgttt	caaatgtgta	taattgagct	tgctaaaaat
115921	gttattgact	gcaaaattta	tagatgaaaa	gtttgttttg	cttgggtcca	atcaagctgg
115981	aacataaatt	gcattgaaaa	aatatagtaa	tactgtgctt	acaacaacct	tctgacatgc
116041	tgaaatgcct	ggttttaagta	cctagaaaag	ggattaacag	atttttgttg	tgggaagaaa
116101	atactggggg	atgtgggctt	ctgttcacga	ggagtgagtg	atctgaattc	caggaaaagc
116161	tatgtgaatg	gaaagaaatg	caaggaaaac	gcattgctggc	aacttctgct	ccatcaaact
116221	gaaagaagta	gattcccgct	tcttctagtt	aatctttccc	ctttggtttt	catcccattc
116281	cagccttctt	acaaagcaat	ctctatcttg	tgcctcctt	cagtctctat	cttataatca
116341	gtttccccag	ctctgtcctc	tcctcattag	cattttaaag	accagtaagt	ctcctccatc
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116461	cttccaggct	gcacctggct	tttctcctcc	ccttcacagc	caaagtctct	taaaagatatg
116521	ataactcgct	gtcactactc	cacctcttcc	catcacagta	agaaatgctc	ctgttaaggt
116581	ccattgtgaa	atctttgttg	agtagtggac	attgttcagc	ccttattttt	atttcacctt
116641	aagacagcat	ctgacaattc	attgatttcg	tttggctcta	cttgaatgct	ccttcccttt
116701	gcttccacga	tgtctgtctg	ctttgtctat	ttattttctg	ggctttcctc	ttcaatctct
116761	atgggtctct	aaaatatttt	ttttaaaaat	tttacagctc	agtttgtgtg	catgtagtga
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116881	cttttccata	tacattgttg	ggtaatttga	gtcatctcct	catcagtgaa	ttctctcaat
116941	gttggtgggt	ttcaaatctt	tctctaaact	cctgtgtctt	tcttaagctc	caggttcagaa
117001	tactcaagtg	gtagatttct	gtgttacata	taaccagaga	tttaagactg	cagcatttat
117061	tccctttata	acctcagtggt	taaccagaac	ctgggttttg	tttggctct	aggcacttcc
117121	cacttcaaaa	gccctctgtt	ctaactcctg	tgcattgttg	tttttatctg	ttttctcagt
117181	ggccatagca	actttcttag	ttcaggccac	ctgcaacctc	ctttctagtag	caatccacac
117241	cccgacagcc	tggaactaga	gtattctgct	aaagcagaaa	ccctgtcact	ctactcaact
117301	atataatgat	tttctgtgaa	cttaggtatg	aagttgaaaa	tcttcaacct	gtcatacaag
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117421	tcccaacctc	acacatgcac	acctctctca	catcacaatt	cttctctctt	ttctctctct
117481	gttcagcaat	actacattac	tttcaacctt	gcagaaagtt	catgtttgctg	ttctctctct
117541	ttctctctac	atcacatgct	tttatatata	ctggcaatct	cttccctctaa	ttctctctct
117601	ctgcaatctc	acctgttaag	ttctctctat	cttcttaggtg	ttagctgagt	ttctctctct
117661	ttgggtctct	gtatgtcttt	gtaatctctg	gagctcattc	ttttacagta	ttctctctct
117721	actggacagg	aatgatattt	gctgttttct	ttgtctctct	tacttaggctt	ttgtctctct
117781	aattacagaa	accttatctg	ttttgtttac	ttttgtttcc	ccaggggtcca	gtacatgtgt
117841	agcgaatact	acgctttcaa	caaatcttta	ttgaatgtta	gagtcacata	ttctaatgac
117901	tacgattatt	cttggggagta	gtaaggcaga	ttattttctg	gcaggggcaaa	agcattatca
117961	aattactatt	ggttggctgg	gcattgggtg	tcacacctgt	atcccagcat	ttgcaagggt
118021	aaatgggtgg	atcaccttga	ggcaggagtt	caagaccagc	atgacccaaca	ttgtgaaacc
118081	ctgtctctac	taaaaaaaaca	aaatttagctg	gggttgggtg	cacatgcctt	taattctcagc
118141	taattgtagag	ggctgaggca	ggagaactgc	ttcaacctgg	gagacagggt	gagtgagctc

FIGURE 1 (continued)

118201	aagatcacgc	cattactctc	cagcctgggc	aacaagaaca	aaactctgtc	tcaaaaaaaaa
118261	aaaaaaaaaa	agttgggtac	tgtaactttc	cctaggcaaa	tttaatatag	gaatcccttt
118321	actatgtgtg	tgtatgtcgt	gtttttagct	tctgtgatac	tgtcagtgcc	agtttagtcaa
118381	gagctggtag	aacccactt	tcccataaac	tacatagtgt	tctgttcttc	cttggtaata
118441	taatatTTTA	atcaaattta	ggctgggtgcg	gtggttcaca	cctcatgtca	cgttaggagg
118501	ctgaggcagg	cagatcactt	gaggccagga	gttcgagact	ggccagcatg	gtgaaacctt
118561	gtctctacta	aaaatacaaa	gaaaaaaaaa	agaaaaaaaa	ttaggcagct	gcttgtaatc
118621	tcagctactt	ggcaggctga	ggcacgagaa	tcgcttaaac	ctgggaggca	gaggttgcag
118681	tcagccaaga	tcggggccatt	gcactccagc	ctgggcgaca	aagcgagatt	gtgtctcaaa
118741	aattttaaatg	tctttgagga	gtgatttttg	tcctgagaat	ttagtgatta	tggataaggc
118801	cttatgttca	gtgattttcaa	cgtgatcacc	aattccttcc	aaatttccag	gatgatgctg
118861	actggagctt	taaaaagtga	ctaaaggaca	tatcacaaga	aaaggagcac	taatccctaa
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119161	acactaatac	tttataatat	taggttaaag	ttaaataaat	tcaaatgagt	atgtcacgta
119221	ttcttcttat	ccaggctgat	ggggaaagaa	ggctgattat	tacaaacatt	ttttaacctt
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119461	gttgatgata	ctaaagtata	aaaaatgagc	ttatttcccta	ctttctccaa	attttatgcc
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119581	atgggttttaa	ttcatagctg	ttttcagttt	ttatgtctcc	tcagtataata	tcagtgaaca
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119701	ttttattttta	aacataattta	ggtatttttaa	ataattattt	tcatacttgg	tctgtataaaa
119761	tctaatatga	atcaattttt	agatagaaac	tggtttctaa	tttgaagggt	tactttttct
119821	tgaaccccat	ttattgttag	taatgtataa	gatgcataat	ttaatgttca	gcccctttctt
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120601	ctattttaaac	ctgagtggac	acagcacatg	tttcagagag	cacagggttg	gggataaggt
120661	cacagatcaa	caggatccca	aggcagaaga	atttttctta	gtacagaaca	aaatgaaaag
120721	tctcccatga	ctacttctat	ccacacagac	ccggcaacca	tcagattttc	caattttttc
120781	cccaccccttc	ccgcctttct	attccacaaa	accgccattg	tcatactggc	ccatccccaa
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121081	agggggctgg	gggcagagga	gccccttacc	tcccggaggg	ggggctcttc	ggggctcttc
121141	gtgacccccc	ccacctccct	ccgggcccgg	ggggctcttc	gggcagaggg	gtcttccatt
121201	ccagtagggg	ggggccgggg	agaggcgccc	ctcacctcc	ggacgggggg	gttggccgac
121261	ccccccccc	cacctccctc	ccggacgggg	cagctggggg	ggcagagggg	ctcttccatt
121321	ccagtagggg	ggggccgggg	agaggagccc	ctcacctcc	ggacgggggg	gttggctctg
121381	ggggggctg	accccccaca	ctctccctcc	ggacgggggg	gcttccgggg	ggagacgctc
121441	ctcacttccc	agacaggggtg	gttgcgggac	ggagggggct	ctcacttctc	agacgggggg
121501	gttgcagggg	agaggggttc	ctcacttctc	agacgggagc	ggcgggcaga	gacactcttc
121561	acttccacaga	caggggttgg	gcccagacaga	ggcgtctctc	acatcccaga	cagggcggtg
121621	gggcagaggt	gttcccccaca	tctcagacaga	gggcgggggg	ggcagagagc	ctcttccatt

FIGURE 1 (continued)

121681	cctagatggg	atggcggcgg	ggaagaggcg	ctcctcgctt	cctagatggg	atggcggcgg
121741	ggcagagacg	ctcctcaact	tccagactgg	gcagccaggc	agaggggctc	ctcatatccc
121801	agacgatggg	tggccaagca	gagacgctcc	tacttccca	gacgggggtg	cggccgggca
121861	gaggctgcaa	tctcggtttt	ttgggaggcc	aaggcaggca	gctgggaggt	ggttgtagcg
121921	agccagagac	acgccactgc	actccagcct	gggcaccatt	gagcactgag	tgaacgagac
121981	tccatctgca	atcccggcac	ctcgggaggc	cgaggctggc	ggatcactcg	cagttaggag
122041	ctggagacca	gcccggccaa	cacagcgaaa	ccccgtctcc	acaaaaaaa	aacgaaaacc
122101	agtcaggcgt	ggcggcgcg	gcctgcaatc	gcaggcactc	ggcaggctga	ggcaggagaa
122161	tcaggcaggg	aggttgagct	gagccgagat	ggcagcagta	ccgtccagct	ttggctcggc
122221	atcagagggg	gactgtggag	ggagaggggg	gaggggggag	aggggagagg	ggagagggga
122281	gaggggagag	gggagagggg	atatgccaca	ttttctttat	ccagtctatc	attgatgggc
122341	atttgggttg	gttccaagtc	tttgctattg	taaatagtgc	tgcaataaac	atacatgtgc
122401	atatgtcttt	atagtagaat	gacttagaat	cctttggata	tataccctgt	aatgagatta
122461	ctgggtcaaa	tggtatttct	ggttctagat	ccttgaggaa	tcactacact	ctcttccaca
122521	atgggtgaaa	taattttacac	tcccaccagc	agcgtaaaag	cgttccctatt	ctccgtatc
122581	ctcaccagca	tccgttattt	ccagacttta	gcgattgcca	ttctaactgg	catgagatgg
122641	tatctcattg	tggttttgat	ttgcatttct	ctgatgacca	gtgatgatga	gctttttttt
122701	catgtttgtt	ggccacataa	atgtcttctt	ttgagaagta	tctgttcata	tccttcgacc
122761	actttttgat	ggagtgggtt	tttttttttt	cttgtaaatt	tgtttaagtt	ccttgtagat
122821	tctggatatt	ggatggatag	atagcaaaat	ttttttccca	ttctgtaggt	tgccgttcca
122881	ctctgatgat	ggtttctttt	gcagagcaga	agttcccttag	tttaattaga	tcccatttgc
122941	caattttggc	ttttgttgca	attgtttctg	gtgttttagt	cgtgaagtct	ttgcccagtc
123001	ctgtgtcctg	aatgatattg	cctaggtttt	catctagggt	ttttatagtt	ttagggttta
123061	ggtttgcctt	taatccatct	tgagttgatt	ttttataagg	tgtgagggaag	aggtccagtt
123121	tctgttttct	gcatatggct	agccagtttt	cccagcacta	catattaaat	aggaatcct
123181	ttcc'ccattg	cttgtttttg	tcaggtttgt	cgaagatcag	atggttgtag	atgtgtggtg
123241	ttattttctga	ggcctctgtt	ctgttccatt	ggtctatata	tctgttttgt	taccagtacc
123301	ttgtctgttt	ggttactcta	gccttgtagt	atagtttgaa	gtcaggtagc	atgatgcctc
123361	cagctttgtt	ctttttactt	aggattgtct	tggctatacg	ggctcttttt	tggttccata
123421	tgaattttaa	agtagttttt	tctagttttg	tgaataaagt	caatggtagc	ttgatgggaa
123481	taacattgaa	tctataaatt	actttggaca	gtttggccat	tttcacgtta	ttatgagcat
123541	ggaattgttt	tccattcggt	tgtgttctct	cttatttccct	tgagcagttg	tttgtaattc
123601	tccctgaaga	gatccctcac	gtccctcgta	tttggtattc	ctaggtattt	tattttcttt
123661	gtagcagttg	tgaatggaag	ttcactcata	atttggtctc	ctgtctatta	ttggtgtata
123721	ggaatgcttg	caatttttgc	acactgatta	caaaaagataa	acaggggaag	agctaatac
123781	ctgatctaca	catgaacata	actcatttct	gaaaactaatt	tgatttgtaa	taaaaataga
123841	gatgtgaatt	ttgtgcataa	aagctgtagt	acttgggtca	ctgtgacctt	gaataattgg
123901	atctgatttt	taaaagggaag	aaagaggaaa	ggatttgggc	ggaaaagtgt	ctctgtcaat
123961	gaaaatgaca	tcatacttgg	aaacattttg	atattgtgaa	agaagaatca	ggaaaatact
124021	atcacctagt	agcccaggag	tgcccagagc	agcctaactg	cataaacagc	cttctgcacc
124081	gtctagagct	gccagcaaaa	atgtctctag	ttttcatgag	gaaaacagat	gtaaatgggg
124141	ggtgggtgatg	gtggataaac	tctgctctgtg	tggtgagagg	tccaaaagag	ggaagtttct
124201	agtcaaaaagt	aatgttttcta	aaatatctta	gttatctagg	aaacaaattg	agataaaaag
124261	cagagggtag	gaaagtgcaca	agtttaattc	cgaaaaactaa	aagtgtgtgt	ttttatgtct
124321	taacattttta	aaactagtga	tcattttta	attcatatag	ggattctagt	agaactgatca
124381	ataactcatg	aaaataaatt	tacattttta	ataagatttt	tgagatgggt	gaaataccag
124441	tttttatata	taatagagat	tttagacatg	gcaaaaata	tgggaaaatt	ttttgttttt
124501	ttaaaaaaac	ttttttctag	gatattttta	ataaaaaata	gttttttaac	tttgatattt
124561	ctttatcttt	tttaagaaata	atgctaaata	ggggatacat	ttccacatag	atattttttt
124621	ttcaaaaaca	tattttgtag	aacacaaaatg	attaatgttt	gcttttgta	tttgacaaca
124681	gtaaaaatatt	tattttongtt	tttattatca	agacacatta	aaatgaaccac	attgaattctt
124741	gaaatgtctg	taatatcatg	actacatctt	tcctgctctg	taatttgggtt	cttgaatttat
124801	ctgttagtcc	agaagaaatg	tgaatggctt	acttgtccat	gttttcta	tttgctgtag
124861	agattaaatg	tagctatata	tataatatct	gtacaacaca	aagtttttcc	catttttaag
124921	ttcttgtttt	agcagtgttt	gtttcagttg	ttcagtacaa	taagaatatt	tgaacaggat
124981	cccaaaatatt	tgagaggaat	ctggcaaaaat	ggtacccaac	tacttcatgt	attccacact
125041	ttaacatccc	ctttaggact	tttaagaagct	agaaaaactct	agttgacact	ttggtacatt
125101	ttttgatccc	catgttcaac	atggactttt	ttcttttgat	ttcatctaac	cttttcaatg

FIGURE 1 (continued)

125161	aaaaattatt	gatcatataa	tgataaatagg	gatttttaggt	gctttttaaat	agcatgaggc
125221	aaaattatag	tttgtggaaa	gaaaatttaa	aaagcctatt	aatatgaatg	ctcataccac
125281	tactgggtat	taaaattgca	gaagatgtag	taatttcact	tgctgtttac	tcagcaggat
125341	cttccctaac	atgttcaaat	tctagggata	ttaaaaaattt	tgtttgaggg	ttcagagcaa
125401	atctaagtgt	gtctacctct	gtcacctatc	cttcttcctt	cacaccaccc	ctccccaaaa
125461	cacacagaag	agcacagaat	ttttttttta	cagttaaaaa	gaataccaat	agctgtttta
125521	gaacagatac	ctcacaaagg	ggatactcag	agagatctga	aagaaaatgg	gtagagaaat
125581	aatattgtac	tttagcttac	tgtcactagg	atttgtcaga	tgactgttat	tagtggttgc
125641	cctagatctg	ttttgatctg	caagctctct	tttcctgaat	cagtaccctt	gaatcactgc
125701	ccagaagctt	agcttatagt	agcatagttt	cctggaagag	cttagtgtct	tttggtgaca
125761	aagcttactt	agtattttatt	ttgtgtggcg	ttgtgttagt	tagaggtcac	attactactg
125821	ccccatttac	tgtagggtgc	tgtgtctcag	ctttaaacag	gtttatctta	ttactaaatt
125881	ctatttctatg	tgactctttat	ttgtattttt	cttaataagt	ctcactatcc	cattttaaaa
125941	tctatttcat	tgtttgcttt	ttcttttttg	atcatccttt	ccggtattat	acttaataata
126001	atatgaaata	aaatgacctt	tatgattttat	aagacttttt	ttttgacatt	tctagacata
126061	ctttgtcctg	ctttacaatt	catattctgg	agaagactat	tcagtgtgca	cctacagatg
126121	aratattagt	agaattacta	aaggaatata	cctgctgcag	aaaacatgct	tttaaatagg
126181	atgattatag	aatgaaacca	caccgatgag	aggcctgctt	tcattaataa	ccttttccct
126241	cattttacaag	attctcctga	attatttttg	aaactatgta	cccaattcat	ggacacagga
126301	taatggctgc	actctttgtg	aattcgatac	agtcgacttg	tctgcagtag	atgtaagtgg
126361	aattgattat	gtgtgaaatg	tagtaataga	aagtacattg	tcatgaaata	ctgtgattta
126421	taggaaaaaa	ggcaaattat	tttatagttt	tgattttatg	atagataatg	gggatatagt
126481	gttaaaacat	gatgattcag	ccatttgcct	gatttgtgtt	tcagaactgt	tttttgacag
126541	aaaaaccagc	taataattga	acctaattgaa	agagtcctgt	ggttaaatatt	taatagctta
126601	ctacgattga	gtgctcttgt	gtttattctg	ttagcttagt	caaagcattg	agaaaaaatc
126661	attacaaggc	ttcagcattt	ttattgacta	attttatctg	tgctggattt	tcaaagttga
126721	tatgtaaaaa	ttaatactac	ctgattatat	aacaaacgac	tgttttaact	actttacata
126781	taataactca	tttaaaacttc	acaaaactcc	taaaataggt	agtacaattg	actcagtttt
126841	acagacgaga	aaactgaggt	gcataaatgt	aagtaacgtg	tttaagggca	cacaatttta
126901	agtgttgag	ttgggatttg	aatatagggg	gtctggctcc	agactactgt	atgttcttga
126961	cactgtgcac	ttttacctgt	gtgatgtgta	tattctaggc	atgttgctac	ttgtatgtat
127021	ttcatagata	gttatatttt	atcattcatg	ttttgagggt	gaacaaagag	ttgaaaaatat
127081	tcattatttaa	tctataaaaac	atttttatgt	atctttgttc	taacatcagc	cagagctgat
127141	atottacaac	aacatttttta	ttccaaaaaa	ttgctgacat	aacatggaag	atttatatgta
127201	tgaagcattg	attctagggg	gttttgtcat	taagactgat	tttttccctc	attcactgta
127261	agttcattga	gtatctacag	cagccagaaa	cgtagaagca	atataggcaa	aaataaagct
127321	cttaggaata	tagtactact	aactcctgaa	cccatgcaaa	tgcaaaaatac	ttttactgta
127381	atatgttcaa	gctcctgaat	taaatagttt	ctattcttat	cattgtctga	aaggagtata
127441	aagagtaact	tgtgtacatg	taggagctta	tgaatagagc	cctattttac	ttgaaagtaa
127501	ggtttttggc	cagtctctca	gatagcaaac	tgtttccctat	ctgcaaaagaa	tgccagaata
127561	ttctotgaatg	aagctgcacg	atgaagatgt	ttaaaaattt	atcctgatct	ttttttggcg
127621	aaaagtagtgt	tgtcttctgg	aggcgagttt	aatacttttt	atctgtttcg	tttctttttg
127681	tataaaacttt	ctgggtgcaaa	gatagaaaaa	tattttatatt	aacatttttt	ctttttgcat
127741	gtaggagtat	gtaatttaatt	acttaagctg	ttttgtctta	cagcttggtta	aaatgtgata
127801	gaaaggaaaa	ctattcattc	cattatgcac	aataaaaatta	cgtgctatat	acagctgttt
127861	ttcaaataggg	atataaaaaat	taaaaattgtg	taggtagctta	aatcccaagc	ctatcactaat
127921	gttagatgtg	ggccataggg	aagttctctt	atctgtaaaag	tcatagtgat	ctatcagaaa
127981	tgttggttagg	aatgttaaat	gaaattttac	ccacatacat	atatgaatat	acataacaaa
128041	tatataaaatg	atattctatt	tgtataaaat	taataatacat	acacaaaagt	gtcagtattt
128101	ataaaaatgtt	aaotgttata	atgtgtgtgt	tatataaaaca	tgaacttagg	tttaataatg
128161	tgatgttagtg	gattgaaaac	cagcaacttta	ccctcaaaata	tatgtgtttt	gggttaactta
128221	aattttctcta	aatctcattt	tcctcatgtg	catattttgg	aaaataaccc	ctaaggcttt
128281	tatgtaaaatt	aaatgaaacg	catcatctca	tttgataaaag	gagagtgtgt	acctactttt
128341	aaaattatttt	ttcctatttaa	attgagaact	actggagagt	agatattttg	tgttctttgt
128401	atttggtttat	tcattttaata	ataaaatattt	gggcaagtga	atgaatagat	gaagaaatat
128461	gatagtgtac	aagggtgact	tttatgtgag	catatgttat	tatacagata	atggagtaat
128521	gtgtgaggta	ccgtgtagta	aaaaatggaa	gaaggttgc	aattcagcac	ttaatgtata
128581	aggtattttta	aaatatttgt	aattctcttg	ttcagacttt	aagacatggc	tttagtaaga

FIGURE 1 (continued)

128641 cattataaac aagtcttcca tagatttctg gtcacgacac tggtacatgg gtgtttactt
128701 atgttcctgt cttcccatc tacttgtaag tctttcaagc caggaaacttt cttctctttt
128761 gccaaatatt gcccatcttg tggattggaa tgtataatgg ctatttcaga attgtttgtg
128821 caattaatga aggataaact ccacacccaaa acatatctaa agagaactta agaaaatata
128881 ttaaaatata tacattaaga taagatatat taacattaat gaaagaaaat agctctcctt
128941 atacataata taataatgaa aggaaataaaa aggataaagt ctcagggtctc ccatgattgc
129001 tttttatgtg ctcaaaatta agccctgaac ttttaagccga ggaaacaaaa agagaaacac
129061 aatttagtatt tgggtttctta gacgaaactt tcaaaatagc tttcagatgt gaagaagttt
129121 ~~ctgcaagggc ttttttaag gaageaetga etagtatgt aggcagtacc atgaattaca~~
129181 ttcacgtaat aaataggata atttcatctt taaacctaac tcataaccaa gatgggattc
129241 agtaaaatca ctttgattgg gggggccaca aaaatttgtt tcaagtgtta gagaactgcc
129301 atggagcaat tcaaatctag cagattatgt tgaattgata tttctagtatt ttttatgtca
129361 tgctgattaa catttgataa aaatttaaaa caaaaccata ctaatgataa ttttattttt
129421 atgtttggtg taaaacaaag gtccatccaa acgtatcaat aggtgttttt attgagcaac
129481 caaccccttt tctacctggg tttctggaca tattgttgac actggattac ccaaaagaag
129541 cacttaaact ttttattcat aacaaagtaa gtatttgaga aatgaatatt ttatgtcaaa
129601 actatttttg gtcttttttg gaactatttg ttatttatgt caaataaaat tcattggggt
129661 aagttcagtg gaggattttt ggagtaatta cagccctgcc tttttaggac ctaaggattt
129721 tagattctag agactagcac cacaatattg atatgagcca catgaaactg ccagtttctg
129781 tagatcaaaa atggctgaat attagccatc atcatatagc ttaaatattat atataatcaa
129841 ggagattcaa agggccttaa atccctttgc ctttgggtta gttctggtac tttcttctat
129901 agaattggtc attaaattgt ttgtgattta agacaataac atataagaac ttgaaacagt
129961 ttcagatag agtactgttt tgattaatta cacaagggca tgccattccc caaaggattt
130021 tgatactgtc attttcttca aaaatattca gagcccccta catacctcct acatattatc
130081 caaacttgaa aatatttttc ctcatgtttt ttacagtat tttctgtcta ctaaaaccac
130141 tgggtatttaa cattgtctag aaaaactcaa tagctgtgaa gtgtgcgatt ttctctcttc
130201 tgcctaata ctgtttgttt accattgttc ctttttctta atgtaaatgt cagctaacca
130261 ttcacattgt ccagagaata ttttaactgc agaaaactag cttaaatgga tttaaaatgg
130321 tgaaaaattg agcatttgct ttgtaaaata tttgttaata tatatacttt cactaaaagta
130381 ttttgttttt atgtattgtc tttgtttat attttccctg ctttcatggg gccttaaaat
130441 ccttgatggc ggacgttttt gtcttatctt tggttattta gtattaaact tatgttgctt
130501 ttatgtgata agttatttta aaaatctgca aaaagcaaca gcttttcaga aaacttagag
130561 acttgacaaa taaaaatctc tgaaatgtc taatgatgga gacagataat cttacctgaa
130621 ttttagcaca gtcgaatcac actaaaattg gtaaccttta tgttgatggg tttcccat
130681 atctgtccat agaattttgt taaatttttc ctttttttgt taagtaaaat ttttttatat
130741 atgaccattt attttactct ctggtttcaa agggattttt gtaaaatgtg attatttaag
130801 tttataactc agattgatgg ctattatgct tagtagacat tttttctaga tttttcaaa
130861 catatatcta agatttctag gctacaggcc gtgtttttct tctccagttg gaaacatttt
130921 atattactaa ggattttaagt atttatgcaa acacctatta aagattttaag tttttatata
130981 aagactgttc tagcagtaga tattgacaga attttgaagc atcttctctt taagaatatt
131041 gatataatg tatttaagat tattcatgtg acatttaagt gatatttaaa tatacctgtg
131101 ttaatatggc tattatttta tatgttaatt aatatctgaa ttgtagaatt catgacottg
131161 aatgtgaagc actctctaatt atgaatactt cagtcactct attgtcttat tctctaattt
131221 ttgattttta aaatatgtta caggaaagttt atcatgaaaa ggacatcaag gtattttttg
131281 ataaagctaa gcatgaaatc aaaactataa aaatagtagg accagaagaa aatctaaatc
131341 aagcgggaagc cagaaaacatg ggaatgtatg ttttaataaa ttaaaattta attaaattat
131401 tttactaaag aaacgttaag aaaaaatasa cttttaaat aaaaattgta tgcataattt
131461 ggggtgtctc aactatttgt ttgogtatgc agtagccaa ctagaactgt tttatgtttg
131521 tacgtattta tacataaagg gtgttagaag ttacttatgt ttttttttta atggtataga
131581 gtccacatat ttaatcaaat gatgaatcaa ggtaagatca atttttttta aatgagata
131641 aatgaatagt atgactttca tagcagtgtc ttaaatctaa atgtacactc tgaaggttgt
131701 gtgtggtaaa agtgtgttta ttttagactgt gggggaaaca ggtgtctctta ctctccagtt
131761 agtcaactgag ctgataaata ctgtaatccc aagaaacggg cattgtaggc cttttgttta
131821 gccctgttaa tgcctcatcc tactaataaa actctagtta tagtaaaaaa aatcgtgtat
131881 tcaatgaata ttaattgaat atgccaggaa ctgtgttaag agtaggtgat aaaaagggtga
131941 agacatgac cattctcatc aggaataaat cttatctact acgaacctc atgctgtgac
132001 tgcagaagct gaggtcccag agggatggat tctgactaga ttaggggtct agggatagac
132061 agaaaagagg cctctgaaaa accaaactga tgttattact aatgattcca taattttatc

FIGURE 1 (continued)

132121	attggagaat	cctctgggtc	cacattcaga	acatatatttc	tttaatatatt	ttcatgattg
132181	tacctagtgc	ttctgtctgg	tattttgttt	gatagttgct	tcgaacaaat	atggtgtgga
132241	gacacacact	tgataaccca	aaagtgcgtg	actgggaccg	acagtggagg	aggggagccc
132301	agaggggaagt	tgataaccca	aatgtcatct	ggatatctcca	gttggttcatt	ccttgatatt
132361	gctgatgata	atgttacaaa	ctgtaccagg	gaaagcaaac	atagtcactg	ccccgtgtaa
132421	gaaggcaggg	gaataactat	cttagaaaa	ttgatgaaaa	tcaagtttgt	aaaatattaa
132481	tacctgaaaa	gtcatatact	tacatctcca	acattcattt	aaaactgagt	tgtgggatat
132541	gtaagttgca	tttgtgtgca	tgtgtatgta	tgtatgtatg	tatgcagaaa	cattttgatt
132601	tgtggatggt	ttatgceetta	aaatattttac	tggcttgaaa	atatattttta	actggccttaa
132661	aatttttagag	gtgagctccc	tgtgaatata	cgtgttaaat	tgaccatttt	gaaatttaag
132721	acaatatata	tatcgtttca	gatattgttc	cactattttg	atcagaaaag	tatgctagag
132781	aaccataattt	tacataaaa	aatatatata	ttacattttt	tcagtcagca	gatattttat
132841	ttatgtcatg	cccatttcat	tttctttttc	actgttaggg	acttttgccg	tcaggatgaa
132901	aagtgtgatt	attactttag	tgtggatgca	gatgttgttt	tgacaaatcc	aaggacttta
132961	aaaatttttga	ttgaacaaaa	caggtaacttt	ctaaaattcg	atatcaattt	attgttaaaa
133021	tgattattttt	tcataattgat	gtgaacatac	tgtagtaatt	gtgtattttag	taaattgagg
133081	gaacttaggt	atgttctaca	gctaataaac	tttcaattca	agttaattat	ttttcattta
133141	aaggagtcac	agaaaacaac	ctgaatacat	ctggaattat	ttaatattag	ttataatcac
133201	aaatacagtt	acttgcccca	tttttctggt	taaagctagg	tgaaattatg	atcacatctga
133261	tactaaaaatt	tagagttggt	ttattctcta	tagatatttt	taaagtagaa	tttcacaaaa
133321	cttctgacca	agatagttat	tgcatacaga	gttgtagtcc	ttagtatcag	aaggaaattt
133381	cagaggtaca	aatcatocca	cagtcatatg	tgtagcttta	tttactgttg	aactagttat
133441	cacttcacag	tgtctgtttg	ctcattttaac	tcaattgaaa	tgggaaaaag	acaccatgta
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133561	atttttacta	ctcctgctaa	gacctcacct	ttacaagtg	cttattaagt	gccaggattt
133621	gttgtaagta	catgtattaa	cacaattatt	tctcataata	aatagaatgt	ttagcgggtg
133681	aaatgttaga	atgattgttt	ttattttgtt	aagtaagata	catgggaaat	gtagtatgct
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133861	agcccaactg	tatagctgtg	ttatagatac	tcagtatcta	agttaactat	ctatatatat
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133981	tgtgacaccc	tagagatatg	aaatagtgtg	tgatttgtaa	ctcttaaaac	ctagtttaat
134041	tcagtactat	tttcttgaat	ttgcattgtt	ttctcttaat	ttgattgaaa	tgctatagtg
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134161	atlttattaat	tattctctta	gtgaactatt	taatgaattt	acactatgta	tttgacatat
134221	atccctctta	atattaaaca	ttttaaatct	tctaaaagaa	aaaaaattcc	cggccgggtg
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134341	caggagatcg	agatcatcct	ggctaacaca	gtgaaacgcc	atctctacta	aaaatacaaa
134401	aaatttagccg	ggcgtggtag	cgggcacctg	tagtcccagc	tactcgggaa	ctagtggcag
134461	gagaatgggt	tgaaccccagg	aggtggagct	ggcagtggag	caagattggc	ccactggact
134521	ctagccctggg	cgcacacagcg	agactccgtc	tcaaaaaaaa	aaaaaaaaaa	aaaagaaaaa
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134641	tggaattctg	ttagtttaate	aaaggttttag	gtttatgtaa	tacctatggt	tcttgcttct
134701	gtatccagac	atgtggtttc	tatagctctat	tgacatatgc	caggaatggt	gcaagattta
134761	gtagattgga	ctgaagagta	gagaaagaga	tttgabacat	cttgggcatg	tggtcttcta
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134881	aaatttttaac	ctttaaaattg	tataataata	tgaatcattc	ctcagctgcc	atctttabac
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135361	tcttgattag	ctgggatttat	aggtgcgtgc	cacctgccc	ggctaacttt	tttttggtatt
135421	attagtagag	atgggatttcc	acctatgttg	tcaggctggg	ctcaaaactcc	tgacctgttg
135481	atccggccgcg	ctcggcttcc	caaagtgctg	ggattacagg	catgagccac	tgcgcgggtg
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FIGURE 1 (continued)

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135721	caagtcattt	tttaaagtca	tggaaaactg	gaaacatact	taagtaattt	gagacttaat
135781	tacaggaaaag	ctttgctgt	ttacaaacat	ctcagttcat	cttcattcat	tttttacaaa
135841	ttcaacaaat	attcattgaa	tatcttaaat	gcaccagggg	ctgttggttca	cccagtgaca
135901	atgaaaatat	ttgggttcat	ttaatatagg	ttccgaaata	ctttagttaa	acttaaatat
135961	aattaaataa	ctaaagtagt	ttccctctgt	tggatgtaag	caaggcattt	ttaaaagtca
136021	tttttatgta	ttcatttagca	ttttcaatta	ctttttcctt	ctttgttact	ctttttaaga
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136321	gaaagctgtg	gtccaatttc	tggggagcat	tgagtcctga	tggatactat	gcacgatctg
136381	aagattatgt	ggatattgtt	caagggaata	gagtgttaag	tacttggttt	aatatttttaa
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136501	ttcatctctt	ttcttttatag	ttaatgggaa	tttgagaacc	caagaccact	tggaaatcctg
136561	aaatactagt	ataaaaactaa	tatcttaaaa	aaatgttttt	aaagtcccaa	atcttcaaag
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136741	aacttttttaa	tgggttataat	taagggttgt	tttgataggt	tttaaaattt	ataattaagc
136801	caacagtaac	actaacagcc	agaacattcc	agtattcctg	attgcatgag	tttttttctg
136861	tgaatatagct	attattctgc	tttaaatata	agtttttttt	accaatatta	gatttttact
136921	tctagagatt	gaaaagaata	tatttctgtga	aaagtgtgtg	catgatttat	atttatttca
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137821	cagcatattg	ttatagttgt	tctattattg	ttgttagtct	tactgtactt	tatgtataaa
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138781	aataattttat	gtatacaaaaa	totaacacaca	aagcatttat	tttaaaaaagg	taaaaatgaa
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138901	atggaaatgtc	ccatataatgg	ctaattgtgt	cttaattaaa	ggaaagacac	tccgatcaga
138961	gatgaatgaa	aggaactatt	ttgttctgtg	taaaactggat	cctgatattgg	ctcttctggg
139021	aaatgtttaga	gaaatggtaa	gatattgagc	gatggctctgc	ttgaatgttc	ttataaagat

FIGURE 1 (continued)

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139201	ttaacattta	cttatagaaa	tggtatgaaa	aatgttagtt	tttgtgctcg	ggctaattca
139261	taggcaaccg	agttggattt	cagtaataaa	gatgtatttg	ttacaaatca	gctttgctct
139321	tttaagaata	catctttaat	ttgaaattct	atagtgaata	cttgacctaa	ttaaaattaa
139381	ttagataagc	ttcgatgaaa	caatatttcc	agatttaaga	atatttttgt	tctaaaatta
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139561	ttaataaaat	actaatgata	ccttgctgca	ctacaaatgt	acttttatta	taaaacttaa
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139861	tcagtacttg	tgatagtatt	ttgtgtctat	gtttggctaa	tttgactcaa	cagcgcacac
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142261	tcactgatcta	tagagttagat	ctaaaacttga	ccaataaact	gttttttatta	agacacttat
142321	tagctttggg	gaagggaatt	atcaatttgt	tcttctttaa	tattctatata	tttttggttt
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142441	tcacatattta	taatatgttg	attttcttga	agaaaaattca	aaaagttttg	tttaggaaaa
142501	tacattctttt	aaaatttatt	tttgaaattt	ttgtgaattg	acatcaaaaga	tagccagaga

FIGURE 1 (continued)

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142621	cttttaaaat	ctgttttctt	cttctttttt	tttttttttt	ttttacagat	ttgagtggta
142681	cagtaattag	ctccttttgt	gttttacagg	gacatctttt	tgtagggcaa	gtggcacact
142741	tattcaaggg	aaaatgctgt	cttcaacaat	caaacctgta	acactgctgt	aatgattttc
142801	cccttgccaa	tagtaaaaagt	tttaaattgc	agactcaatc	cacctgatga	gaattgtcct
142861	ttattttgta	ggaatagttg	agatattggg	atagtaaatg	tagtagtctc	tgaataattc
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144961	gaaactacct	tttaggtaaa	atlttatttga	ttcaattact	gattaaatag	cattaaggaa
145021	catacagttg	taaaatgtag	aacatagaaa	ttaacatttt	aaaagcatgc	ctttttaaaa
145081	agcatgctcc	tatgtgtcat	agctttctga	aacctactaa	aatagaaact	gttgacagat
145141	ctctgatgta	gaactcttgc	agtgaagct	tatctttgga	agaaactggg	ctgtctttct
145201	ggaagagtct	tttctcagag	acatctttga	aacatgaatt	ctcttttagc	ttagtgttca
145261	aaactattgt	taataacctaa	tttttgagaa	tgtgaagtgt	catcaattct	gaggtggaac
145321	attattttatg	tacctatgaga	aaaaaaaatac	tgtcaataaa	ccatgacaga	aaactatgtt
145381	tcctagtcat	acaggatttt	ttattttaca	catattaaaa	taactatttt	agactatttaa
145441	gacacagaag	ttattatgct	ttctaaacgat	gatgcatatt	ttatagccct	gtccagatgt
145501	cttttggttc	cccatatttt	ctgaaaaagc	ctgtgatgaa	ttggtagaag	aaatggaaca
145561	ttacggcaaa	tggtctgggg	gaaaaacatca	tgtgaagtgt	aatttcacac	taagaaactaa
145621	aatgtatgtg	gggtttaagt	agatactcag	agaattcgga	gggtttatat	actttttctc
145681	atattgtctct	gagttctaga	cttagataaaa	ttggctagcc	aaggctctga	tttccagtta
145741	cttctccac	caaccaattt	tttttaacact	taagtaattt	cattagtttg	ggcgggtttc
145801	tcattttatgc	atgtaattac	actggatgtt	ccctaagggt	cgatgtcctc	aggccagagt
145861	ttgttaggta	acacatgtct	ttacagagtg	atgtcaactct	tttccaaaggc	cactttttat
145921	tccttgogtt	ttcacagtga	gotgtgttga	aaattctaaag	gcaaatgtta	tctgggtctg
145981	aaaaactgtt	ttgtgtgtaa	agataggaaag	gagggatctg	agtgcccttag	gtgtaattca

FIGURE 1 (continued)

146041	gttttgcatt	tgcattcagt	gtcaaagact	tggcaggaaa	tactactgcc	agtgggttaga
146101	tgtgttttctt	tcctctctgag	aacagacatg	ccatttttagc	agaatactct	ggaatattac
146161	tgcctctgca	cggttatgtc	ccccaggtaa	tgagctgata	agggagagg	aagcttaaag
146221	tataaggaag	aacttaagtt	agtgggtgat	gaaataatga	aaagcaatca	ttcaaaaact
146281	tttgagtgtt	acaaatagaa	gtgaggaagg	gcggggaaag	cttgttttta	gtgtttggta
146341	atacagacag	cagatatgct	aagtgtatgc	tcataagca	gctgagactg	cctaagggtt
146401	cactgtaaaa	aaagactcat	ttttaagaaa	ggatgtgagg	gcttaggaag	tcaattttat
146461	ttacttttata	gctaaacttc	acatatatat	ttaagaagta	ggaaaggagt	ctactgacct
146521	tacattactt	tgtttcgtca	ttgtatcatt	gacaaagctg	ttacctaaagt	tattttgata
146581	attttacagt	taaagcagat	gatataccac	attggaacaa	ctgttatttt	tattgtctat
146641	tatgatctgt	ggttgaaaaa	aaatactata	atataaatgg	gaattgcacg	tggagtacag
146701	cttattatgt	cattaatggt	gtttctagga	tagccgtata	tctggtgggt	atgaaaatgt
146761	cccaactgat	gatatccaca	tgaagcaagt	tgatctggag	aatgtatggc	ttcattttat
146821	cggggagttc	attgcaccag	ttacactgaa	ggtcttttga	ggctattata	cgaaggtagt
146881	tatcctctca	ccctccagc	ctatttctta	cccattttta	cacagggtgt	ctttttaatg
146941	tttttattaa	taagcaaata	cactggctta	ctttgctttt	tcagggtatt	gcactactga
147001	atattgtagt	aaaatactcc	cttgaacgac	agcgttctct	tcgtctctct	tcgtctctct
147061	ctacatttac	cataaacatt	gcacttaata	acgtgggaga	agactttcag	gtaattatga
147121	ctcttgtgtt	tttagatttt	tcaaaagaaa	tatatcatta	tgaaaaggac	tttgcttag
147181	gccttagttt	cttttttaaa	ttttgctcaa	atgacataat	ttgaattttg	ccactgggtta
147241	aatataatct	gatgtatttc	ttcattttta	cttttttagg	gaggtgggtg	caaattttct
147301	aggtacaatt	gctctattga	gtcaccacga	aaaggctgga	gcttcatgca	tcctggggaga
147361	ctcacacatt	tgcatgaagg	acttcctggt	aaaaatggaa	caagatacat	tgcagtgtca
147421	tttatagatc	cctaagttat	ttacttttca	ttgaattgaa	atttattttg	gatgaatgac
147481	tggcatgaac	acgtctttga	agttgtggct	gagaagatga	gaggaatatt	taaataacat
147541	caacagaaca	acttcacttt	gggccaacaa	tttgaaaaac	tttttataaa	aaattgtttg
147601	atatttctta	atgtctgctc	tgagccttaa	aacacagatt	gaagaagaaa	agaaagaaaa
147661	aacttaataa	tttatttcta	tgctttgttg	cctctgagaa	taatgacaat	ttatgaattt
147721	gtgtttcaaa	ttgataaaat	atttaggtac	aaataacaag	actaataata	ttttcttatt
147781	taaaaaaagc	atgggaagat	ttttatttat	caaaatatag	aggaaatgta	gacaaaatgg
147841	atataaatga	aaattaccat	gttgtaaaac	cttgaaaatc	agattctaac	tggattttgt
147901	tgcaactaag	tatttttctg	aacacctatg	caggtcttat	ttacagtagt	tactaaggga
147961	acacacaaaag	aattacacaa	cgttttctct	aagaaaatgg	tacaaaacac	aaccgaggag
148021	cgtatacagt	tgaaaacatt	tttgttttga	ttggaaggca	gattatttta	tattagtatt
148081	aaaaatcaaa	ccctatgttt	ctttcagatg	aatcttccaa	agtggattat	attaagcagg
148141	tattagattt	aggaaaacct	ttccatttct	taagtattta	tcaagtgtca	agatcagcaa
148201	gtgtcortaa	gtcaaacagg	ttttttttgt	tggtgttttt	gcttgttttt	cttttttaga
148261	aagttctaga	aaataggaaa	acgaaaaatt	tcattgagat	gagtgtgtca	tttaattatt
148321	tttttaaaaa	ctttttaagt	acttgaattt	tatatcagga	aaacaaagtt	gttgagcctt
148381	gotttctcog	ttttgocctt	tgtctcgtct	cttattcttt	ttttgggggg	aggggtattt
148441	gottttttat	cttcctggca	taatttccat	tttattcttc	tgagtgtcta	tgttaacctt
148501	ccttatatcc	gottataaaa	aaattctcca	acaaaaatac	ttgttgactt	gatgttttat
148561	cacttctcta	agtaagggtg	aaatatcctt	attgtagcta	ctgtttttta	tgtaaagggt
148621	aaacttgaaa	agaaattctt	aatcacgggt	ccaaaaatca	ttttctaaca	ccatgtgtta
148681	gaaaaattata	aaaaataaaa	taatttttaga	aagttttgtt	gttctattat	tgggtgttat
148741	cttccaaagc	gaatacatga	tggaattgtc	tgaaagaaatg	aaggttttga	tttttctatt
148801	tgcttagtag	atttaattgat	atacgaacct	attgaattat	aaatgaaatt	ataaaatttt
148861	caattcttagg	atgaactagg	atttgatcta	actgtttttc	caagtgtaga	aatagaaggt
148921	aaatgtttatt	caatatagggt	ttattttgtt	attaaatttt	tttgggtctc	tattatgggt
148981	caggtcaactg	tcagggcacc	aaggatatgt	tgatgaagaa	gacattatag	tcactgtgag
149041	atggacttaa	aaagataaag	aagttgggtc	taactctgtt	ctctctcttg	gggacactta
149101	atacccaaaag	aaaattttcta	ctatccatca	actaggataa	ggagacattt	tagtaattgat
149161	ttgtgaatta	tgtaactgta	catcaggaat	ggtttttcaa	atatgttaaa	cctgggtatga
149221	tttagatgac	aactcatogg	aacagactct	ggttataaaa	gcagatcggg	ctgttctctac
149281	cagtgcaagc	caggttaata	ttctctgtgg	tacagtcca	agacatctcc	caggtactag
149341	ttattttcca	ttttgggtat	catgggtggg	taacttagcat	aaactatttc	gttctcatgac
149401	atgtttttcag	aaatgggata	caggttagct	attgagcaba	gtttttttgt	ctttctctct
149461	atcctabact	ccatgaaata	ataaaaaatg	tagctttaa	aagatgattt	ataaattatg

FIGURE 1 (continued)

149521	agagaaaatt	agaaaaattc	ccataagtag	attaaaaaat	ttgaaaaacg	gaaaacgagt
149581	agaattggaa	ggatggagaa	aaatacagct	tgaacacac	agagcagaag	atacagaaag
149641	tacatctatt	gtttgattca	tctattttat	gcaatataat	aaaggctttt	taaaaaaaat
149701	acacacacac	acccatataat	ataaacaatt	atcccctgaa	taatatgggc	gttagaggca
149761	ctgatcccca	tgcagtcgaa	aatccacatg	taccttttga	ctccctcaac	acttatcaac
149821	taataaccta	ctgttgactg	gaagcctcac	tgataacata	aacagctgat	gaacatttat
149881	tttatatgtt	atatgcatta	tacactgtat	tgttacaata	agctagagaa	aacgtttatt
149941	aaaaaattat	aaagaaagat	aaaatatatt	tactattcat	taagtgggaag	tggatcatca
150001	taaagggttt	catccttggt	gtcttcgcgc	tgagtaggct	gagaagggaag	gggaagagga
150061	aggggtgtct	aggggtggca	gagacagaaa	aaaccggcat	acacatgagc	ccgcgtagtt
150121	taagcacatg	tagtccaagg	gcttattgtg	tatctgcaac	aatcagatat	ctctgacaga
150181	tgaacctgat	aaagtcacac	tatttagagt	atgataccat	ttatgttaaa	aacaaaatac
150241	tatatatgtg	tgcataaaacc	tacagaaaaat	ttcctagaga	ggaacaactc	tggagagtgg
150301	tatgagatca	cggaggagta	aataggattt	atgcctttta	cgttttacac	ttgtgttttt
150361	gaaatattat	agaaatatat	ttgtatatgt	attgtttaaa	gaaaaaaaaga	ctagaaggaa
150421	aaggagacat	tcacgtaact	aatttgaata	aatggaagca	tatggatgtc	aatagtaacc
150481	gtgtgtgtgt	gcgcgtgtgt	gtgtatgtgt	atacatatat	taccaagggtg	ctttaaatgc
150541	tcaccgtggt	agaatttttt	ctaattctta	atgcgcatag	gaatcaatat	gaatattttc
150601	cttaatatag	atacttcagt	agtcattccag	tgcatthaatc	ttcattctgc	ttcatctttg
150661	aaaacactag	taattttatct	gtatttgtaa	cttaactaag	aggtcaaata	tccttctatg
150721	gaatagaaat	gtggaaaaaca	atgaacatat	gagttgagt	gtccatcctc	gtcacagaa
150781	ctcttttctg	actcacttct	gttttctgt	ctgacatacg	tatgtcttga	tttatttgc
150841	ttttatgccc	taaagcccat	tttcatagac	atgctggtaa	cttgtcattc	atttggaaat
150901	tgggaatggt	attcaacaga	tgtcttaaa	tttcagaaga	gccagtaga	atctttagtc
150961	ataattgagt	ctgtgtaaat	aactccctct	gactagacta	gaggttaact	gttgcggaat
151021	attgaagtct	tcaagacttc	atgaaagcag	tgtatcaaac	agaactgttt	gttttgtgg
151081	cttttagaat	agcaagccac	agcattattt	aagaataatt	attaacaaaa	agccattggg
151141	aagaaaaata	gggaaatgta	taaaactttt	taatgcaatg	agttttggat	taaaatagaa
151201	gtacactaag	aaataatgag	aagagaaaaat	tgtacatgta	gaaatgcttt	aaaaatgtga
151261	agtattgcat	aattacatta	ttttgataaa	ataaattaga	ctgggaatgt	aagtaaacag
151321	gctagggatt	tgtgaacttt	ataagtctta	aatctttcta	atagcattta	aaaatgtacg
151381	caacatcact	gttcattcaga	gaaatgccaa	tcaaaactac	agttagatat	tatctcacc
151441	taattagaat	gtcttatatt	caaaagacag	gcaataacaa	atgcttgaga	ggatgtggag
151501	aaaagggaac	cctccacatt	gggaccactg	ctgttgagaa	tgttaattaat	tacaaccact
151561	atggagtaca	gtttggaggt	tctcaaaaaa	aactaaaaat	ggagctgcca	tatgatacag
151621	caattccagt	gcttgatata	taccagaaag	aaaaagaaat	cagtgtgccg	aagcaatatc
151681	tgcactcctg	tggttggtgc	agcactgttc	acaataggta	agatttggag	acagcctaaa
151741	tgtccatcca	cagatgtatg	gatataattt	tgttttattc	ttaatatatt	aaaatagatc
151801	aggaaacatt	catttggaat	agtgtttcca	tctctgacag	atattattga	agtgtgtgga
151861	atgtttgttt	atttaataat	tcaagagacg	atgagtttag	caltgtagtc	tatcttcaat
151921	gaaatttggg	tgactcaaaa	tctgaatact	ctcttttgaa	aattagaagt	ttctgtctgt
151981	tttaacaatac	aaaaacacaaa	taatcaactg	aaagaattat	tttagaagat	ataatggatg
152041	atctctcagt	caatatggga	taacaaaaata	aggatgtaat	gttaaccatta	catcttgtaa
152101	tgtttaatga	atttatctgt	gatttaattac	aaaaataatt	tgaagacat	tttaacacag
152161	gttttaagt	actaaatctg	ggatctgtat	gtgaattgac	agaataattc	tgcattctat
152221	gaagacacatt	tatatatgat	aaagtccaat	aatgtctaa	tgaagattg	atatactaaa
152281	tgtatgtttt	ctttctgataa	tttaattgtttg	gagaaattgat	caattttaaa	tatgtcttat
152341	tgtcttaagt	agatttatct	attttattaa	actattttcg	tttctattta	tataattttt
152401	gtattcttga	aatcttgcga	aatcttgaca	tcaagcttc	actttgttgt	taaaataatt
152461	agcttaaaat	aaagttaaat	taagagcttt	ataaaatcat	gtatatcaat	ttttctctaa
152521	aggtctaaat	taattaaatg	ataaaatattg	galyctttta	ttcaggaatc	atttatatat
152581	tttttaagt	gatacaaatc	aaacttttaa	aaaggaagaa	tgtgacaccc	tattttgaaa
152641	taaggagtag	ctagcattat	tttagttaat	actgttgaa	tgaattgttt	ttgtttctta
152701	ttttttttgt	aaactgtct	tttatgttca	atagagaata	tttaacttga	tttaataata
152761	aatgaagcaca	agagtagtca	gattctgacta	caactgataa	agcaattttg	ttagagttaga
152821	taaaatttact	taattttacat	aatatttaaaa	caacagctcc	ataggggtcc	atttgaaaaa
152881	taaaattttta	aaattttgtc	ttgttttagga	aaaggtcaat	agtaattttt	ctttatttatt
152941	gttaaggaac	tgttaagtgc	aaacttgagg	acaagagctc	tgttagtaaaa	tttgggtgat

FIGURE 1 (continued)

153001 tcagatactg tgaaagttac aatccttggt ttgacttttt gaagattaac aaaattttatt
153061 cctgctgaag ttatgcacta aattagttct aatttactcc agctgttgca catttactta
153121 ctgaccacac agccacgctg atcacccttt tcttcttttg ggtcacttag tgtcttggtt
153181 gctggatgaa atcaagggga tttccagcta atgctagagt ggcacattg attttcatat
153241 tgtctcagac agctttccca ttgacctatg agccaagagg agagggaatt ttaaaaatat
153301 gtgtttttga aacgattttg tgctgtgat agcaagtcga caaagatggg cctcaatgaa
153361 ccatgcctcc cagtactcat accattgtga acccaggtgg gtcctttgta accaatagaa
153421 tgcagtagaa gtgactgcct aatttccaca ttgagttatg agaagctttg tggttttgag
153481 ctcttggaac atttactggt agggcattct ctgtagaatc cagggtacat gctgtgccca
153541 tgccacatgg caaggccatg tgcaagcact gtggccaaca gctgaaacca agctcctgca
153601 tcaacttcta ccacatgagt gaattatatt gacatcagtc ccagacaaat cccagttcag
153661 atgaatatag ctctgtgcaa catctgcctg caaccacatg tgagacccct cagccaagaa
153721 acaccagctg gagctaagca aaccatataa gaactataaa agatgataat ttattgagtc
153781 actaagtttc cacatggttt gttacacaaa aatggataac tgaaacagga tttaattgctt
153841 ataattgtatc tctaataaggc tttcctttct agagcacttt gcatactgga ttgttactta
153901 cctttcattc tctcaataa ggccgtgggc tcttgagggg caaggactgg gtcttattcc
153961 accttttcag ttttagcata tagtctggca tatagtaggt atttgtgtgt taactggaag
154021 ttggttttat atctgaaatt ttattgtatt tgaatcaaaa tgatccctga gggggaatag
154081 gtgttttgaa ttaagagggt agccaaaaaa taaacctatg tgtactgtag ttgtgtgaag
154141 taaagatgtg tgaaatattg tacagtttgt cctgaataa aggaatatgt aggtggcctc
154201 aagttggata cagtgatgca ctaagacagt ataaaaggaa actgctatca ctgttatcct
154261 cagcatcttg ggccaaagga ctgagagagg gaggttcag tttatgagta atttgcttag
154321 tgtatgctta ctgtgtgtat ttgtattaaa cattcaataa gtgtttcaaa ttgaatttac
154381 tttatacatc cttaaagcag ttttctaaaa ggtgctttaa aaagtgttat tttatatagt
154441 gactacaaat tctatatctt atcctctaag tttaaactag aaaatagttc taaaatagaa
154501 atatgtgaag acagtggatt ttcaaatgcc aaggaaagtg tagctttgat atgtactgac
154561 tctggaacta gtgtgtgtac cccagttaca gattcgattg cccattgggt gtggccttcc
154621 ttggttttga ccaaatgtca ttttaacatc tattcagttc ggtcttaaaa atgtgataaa
154681 taatggaatg aaaactttat aatttcagaa ttatggacct gtaggactct gttcaaaata
154741 tgaattattt aggaaagtta taactgtgat gatgtcagaa aaaatagaac ttagaacctc
154801 tcttgagggt cttgtgaagt cctatttttt aatcaatata gaggagctat tttaaaaatt
154861 ggtaagtga tggcccaatc tgagatattt aaaaggtaac aaagagcaaa ttttaagtga
154921 taaagtaata agaattaaga gggagcaatg agattcagga gttatgatta atttatattc
154981 aagtaggtat gtggagaatg aacataaaca catctaactt gccatctaac ttgccattga
155041 ttagaggggt ttcattcaat ttgggacatt tgttttgaca ttaaattttc taatctatta
155101 tttttggaca gaatatcatc tacactgtat tctagacagt ttcactctcc aatagatttt
155161 ctggcaaat tttaatccaa tgttacatta tttttttaag ttctaaaatg aagacagaa
155221 aagaattaca gaacatgtac ttgtctgtat tacataatta attagtgtcc tctctcagat
155281 gcttgtagcc ctgaatctta atcttacttg aggttttact tttgttgaca gttacatgta
155341 tagctagctg aatatacgtg ggcttccag atttctacc taccaatagt taggtggat
155401 tatggaactg cttttggcca gtggccaatg aatggaagt atgtggatta ctggcaagc
155461 cacacattta tgagcccggt tttagagacct tgaagcatat gtattgagat gctgggatc
155521 ctgaatcact atttggaagt aagttgtcct taatagctgc taggaccaca acagatttat
155581 acgagagaga aatgaagttt tctatgttaa gccactgaag tttcaaggct tgcagagacc
155641 ctatttttaa cctgactaaa acaacaatca catgtgtgag aaaaagatat acactttatt
155701 aggagaagat gaatttaggt ttatgttgat ttacaaataa taaaaatcta gatttatct
155761 aggatcttct gatttaattt gtgtcatoga acaatagaa ctgaggactg gaagtaggt
155821 taaaaagctat atagtccaaa gtctgtccta cctctacccc aaacaaatba tctttcaggt
155881 tttctgtgtt gtgataccc caggtttact tgaaaaactt atttagtgaa tttctatgag
155941 tatctgttac aagcccatgt acctgaaatt acaaacatga tttagatata aacctgtat
156001 tacaattctg tgacaggcaa tttactgcat tctaacacag aaacagcaaa gctttctcta
156061 taaactgta tgaagactgt ttttgtaact tctttgtaaa gtttatgtgg gtacatctgg
156121 aaatttatatg aaaaacctaa taccttttaa tatgggttta taaaatatct aacagccgta
156181 atcacaaacag ttgcttccca cctaccacct ctctatgctt cactttatta ccttttccac
156241 atttaaaaat accagattct tcaactagct ttgtctgacc acctcactg ctcttccag
156301 ctgactggct tgcctgattt acaaaagtc agtatcagta tcaactctct ctacattctg
156361 aatggcttat caacatagct gtggaagggt ggtggcaga tctgaactta atatgttag
156421 tagtactagg tataagctgt atagaagcaa agagaagact cattcatatt ttgtattttt

FIGURE 1 (continued)

156481	tgctaataaa	attaagtatc	aaattacttt	tgggtgagga	tgggcaactg	tattgtactg
156541	ctgataattt	gcagtcagga	aaaattttgt	tttcccttct	ataacaacac	tgtaaagcca
156601	tgattcagtt	tactttcaca	tttttcttga	gccaaagtata	gaatgctatt	aaattaaatt
156661	ttatttggtt	taaattataa	ttttagcctg	tttcaatctt	tgtgaaagct	aattctatca
156721	ctcaacataa	ttaagttatt	ctctctctgg	gctcgtgcc	cccaaatga	tgagctagct
156781	ttcgacaact	gagttcttgg	aattttacaaa	actgttcaga	aagacgaacc	aaaatttgaa
156841	tggcttgctg	tgttctgtat	aaattttataa	tcgaaagtct	gatcatggct	acagggtttt
156901	tttttttttt	aacttgttct	gtttttcaac	aaacaatata	cttatttgc	attaaatgaa
156961	aataaagcat	tgaattctga	agtttttagag	aatgacctta	gagattttta	gtggttgtca
157021	gccttagcct	cctatttaaaa	tcattctggga	actatttaaaa	gcatttaatg	ttgtgaccct
157081	acctagacct	attaaattcc	attctctggg	gtgaagccag	gccatcagtt	attttaaaag
157141	ttctccaagt	gcttctaattg	tgcagcacag	gttgggagaa	tctgatctag	cttagcactt
157201	aaagggtata	gtgctaccac	tacataacac	ttctatattg	agtttactgt	agtatattaa
157261	tggagctatc	ttaagtggaa	aatgtctgat	caatcattaa	atagcaatct	aagtgaatc
157321	tataactaaa	atttctatct	ggaaagacaa	aaagaaaaac	caacttctct	ttgaggggat
157381	gctataccca	gagacttggc	tagtgctaag	gagggcatgg	tagacttccc	gaggtcacac
157441	aaagaacaag	cagctcatgc	ttggttctac	ccaatagtct	gagtcccctc	agtcactctg
157501	ttttagcctc	taaaccacta	ggacgtgatt	tgagaaattt	catgaagcct	caagggtgtc
157561	tttcagggtta	tttgtacaat	ggggaagaaa	atatctatag	ttcaacctct	ttcccatact
157621	catgacagat	cacctggcct	gtgcttcagt	attttacaga	ttgttcatct	gtggctgaaa
157681	agctcttctc	aaaatgctct	tacttttatt	gagctgataa	agttgccatc	ctaacttcta
157741	tcatttggtt	ctggctctgc	ctcctggagg	aacacagact	atgttgattg	tcttttccct
157801	gtgttagcaa	tgcagatgga	ttgtaatttt	cctaaatctg	ctcttcaaga	aaagatttca
157861	agttttgaaa	accatattcat	catcctgtcc	tcggtgacac	ctgtttctct	cctttgtcaa
157921	catcaccttt	cacaatgtgt	cacctggata	gcagatcgaa	caacctggct	ataatagtgg
157981	ttctgatagc	ctcctttgat	ctcgtcattg	tattctagaa	atgaagccca	agattttatg
158041	tattttttacc	gcggtcatac	cacgttgatt	taaaagatca	atgattttca	agccaggctg
158101	gacattaaaa	tcacttggga	gagctttgaa	aaaatatagc	gatatcctgt	tttacccttg
158161	atcaattaaa	tcagaatctc	tggggataag	gccaggtac	agtgattttt	aaaagtactt
158221	caatgaccct	aatatgcac	taagtgaagt	ctatccttaa	atgtggtttc	tctcaatttg
158281	taggttaaata	caatattttg	ttgttgtttg	aatgtaaata	tcaggctttt	gatctgttct
158341	agtttaattt	tctgataata	gtagtccag	aattttcaaa	tgcaattctt	taagattgca
158401	atgaagttag	aactcttacg	ttactgttta	tgtccacaaa	atgttttagaa	aagtttgaaa
158461	aggattttga	aaaagattaa	cagtgttaat	atttcttata	ttgttgggtt	tatgcataat
158521	ataatttggg	taatatgtat	cataaataaa	agtattttta	gatcacattg	tgaacttgta
158581	tcattcattga	tagcaaatga	catagctcat	aagcatggga	tccaaaattg	gttttccaaa
158641	tttaaggact	ttccaagtaa	aacaaatttt	aatgctatgc	tcattgcttc	tcttttctat
158701	taaaacattg	ggtttttaaga	cataaccaaa	ataaactact	ttttattcct	ttgactttag
158761	atatctttca	gctgttaaaa	ggagtgttgt	ttcataaagc	ctgacagaaa	actttcagtc
158821	ttctctcatct	gaaatttaac	acagtattga	ataagagtta	cccggaacaa	ctgcaatgat
158881	ttaaatttgt	gacctggat	catttgga	aggcattttt	ccccaaagt	ttttaagatt
158941	gcttgagtat	ttcagcatag	tgaatagaat	tttataaaaa	tcagtgttat	tagccatttg
159001	cataaaaagg	aagtagcaac	cttcatggta	ttcccattta	ttcttgaaat	attgcataca
159061	ttgttgggtga	gatgatatac	aatttctaaag	gcactgggtc	ataggctaaa	gtatcataca
159121	ttgatattta	tactatctgt	cacactcaaa	atgaattaga	gatagtccaa	aggaataatg
159181	taaaatactat	taaaacgaag	acaagaaagg	tcagaaaaaca	ctgagacaaa	gcagtggaga
159241	ggtttattgt	aattgcacac	acacacaaaa	aactatcatt	aagctctttt	gatgocagct
159301	caaaaagaaa	acaatgggtt	atgtatttga	ggccttctta	tattttcata	aaggcatctc
159361	tottagttaa	ccttcattct	ttctatgtat	acatttagaa	ttbaccbaaga	gatttagtct
159421	tgttttcaac	tctgagttct	aattcttatct	gtgcttaagg	gcttcacagta	ggtcaagtaa
159481	caagtttaaca	cagatgcctg	ccttgctttg	actttttctt	tcbaatctgt	taacatctat
159541	tttgagccaa	tggataaact	gtgtatttoca	cttactagaa	ctggatttgt	ttgttctctt
159601	ttgttgggaac	actttcctag	atatcttggat	tctcatagct	gttaccataa	gcttgaagtc
159661	ctatttaggga	tttaaaaaagg	tcagtttttg	ctttatgaag	attttccatta	gcctttgaca
159721	cgbaaaagat	tacataacaa	accacctcca	aacacagctg	tttaacatgc	tgataattaa
159781	tcttactgat	ctgtgggtta	gttaggttta	gttttagcgag	attttctcca	ttacacatct
159841	ctcatctccc	tcccagggca	agtgggttaa	ccccagcaat	gttttctcca	tgacaacctc
159901	agaggtaaaa	gggggcaaac	agaaacatac	aaggctctct	aaggcttagg	cttgaaactg

FIGURE 1 (continued)

159961	gcacatgac	acttctactt	tattcttttg	ctaaaacag	ttatatagct	gaacccaaat
160021	tgagtgatgg	agaaatactc	ttggaacttt	tactaggaga	aactgtaaaag	tcatatggca
160081	gaaaatattg	aacctcggag	tgtttttgga	ggatataaat	tgttatttaa	atacattaaa
160141	atrtgtgatt	tcaattttaa	aattaatgtg	ttgtccgggt	gcggtggctt	atgcctgtaa
160201	tcccaacatt	ttggggaggct	gagtgggtgg	atcatgagggt	caagagatca	agaccattct
160261	ggccaacatg	gtgaaactct	gtctctacta	aaaatacgaa	aattagctgg	gcatgggtgg
160321	gcacgcctgt	agtcccagct	actcaggaag	ctgaggcagg	agatttgctt	gaacccggga
160381	ggcagagggt	gcagtttgcc	gagatgggtac	cactgtactc	cagcctggcg	acagagcaag
160441	actctgttcc	aaaaaaaaata	aaaaaataaa	aaataaaaaa	taatgtgtta	atgtattacc
160501	aaattaccat	tgtaacatct	accagtaaaa	tgattttttcc	tttagcaatt	catttccttc
160561	aagaaatgct	tgagggccca	gtcagaagac	tattttacctt	ttcttctgac	ataaaaactca
160621	cataatcttg	ggcaattaag	tttttttctc	aacaaaaactt	tttttttttt	ggtgtacagt
160681	tttaacataa	aggtagattt	gtgtaacaat	cactataatc	agaatataaa	cagccaaatc
160741	acaccaaaca	atrttttttg	ttgccccttt	gtagttaaaa	cttccccttc	ctcataaacac
160801	caactaaact	gatcttctat	atagtttttgc	cttttctaga	ttggcatata	aatggaatca
160861	tacagtatgt	aaccttttga	aaatgcttct	ttcactcagt	ataatacctt	tgggaatcaa
160921	cagtgcctatt	gcacgcgataa	atrttttctt	tttattgcag	agtagtaatc	cattacatgg
160981	ataaattaca	gattttaacc	atrttacctac	caaaggacat	ttgagttgtt	tccagttttg
161041	agtaattact	acaaacaaaa	tttttagaaa	cattcatgta	catgtttatt	gtgactatag
161101	atrtttcatta	ctctaaaaata	gatagctaag	aatgatatac	tatcctatgg	taagtagctt
161161	ctgttttaat	tccactgttt	gtgccttttt	ggattattcg	aatgttttaa	gaattccatt
161221	ttatctatta	cattttttgaa	tatcttccca	gtggctactc	tagagattac	tctctctctc
161281	tttccctctc	tctctctcta	tatatatact	taacttttca	cagtttactt	agaatttaata
161341	ttcccccctca	tgtttttaatt	gtaataactta	ttaactctgt	atattaaaca	accatccaaa
161401	atgtttataat	ttttgctttt	aacaattata	catcttttta	aaacttgggc	ataaaaacagt
161461	ctataatatt	catgtggatg	ttaccatttg	tggtgctctt	ctttcagggt	tccctctagt
161521	accttttccc	ttccacctga	aaaaattatg	cattttatrt	catagtagat	ttgctgttga
161581	tgaattctat	tagttttcat	tcattccaaa	acgctccttt	atrtcatctt	tgtrttttat
161641	tgggtgctatt	ggtttttatrt	ttgtgggtac	a		

FIGURE 1 (continued)

mggctvqpql lllalvlhpw npclgadsek pssiptdkll vitvatkesd gfhrfmqsak 61
 yfnytvkvlq qgeewrggdg insiggggkv rlmkevmehy adqddlvvmf tecfdvifag 121
 gpeevlkkfq kanhkvvfaa dgilwpdkrl adkypvvhig krylnsggfi gyapyvnriv 181
 qqwnlqdndd dqlfytkvyi dplkreaini tldhkcckifq tlngavdevv lkfengkara 241
 kntfyetlpv aingngptki llnyfgnyvp nswtqdnct lcefdtvdls avdvhpvsi 301
 gvfiqptpf lprfldillt ldypkealkl fihnevyhe kdikvffdka kheiktikiv 361
 gpeenlsqae arnmgmddcr qdekcdyyfs vdadvvltnt rtlkilieqn rkiiaplvtr 421
 hgklwsnfwg alspdggyar sedyvdivgg nrvgvwnvpy manvylikgk tlrsemnern 481
 yfvrdklldpd malcrnarem gvfmymisnrh efgrllstan yntshynndl wqifenpvdw 541
 kekyinrdys kifteneveq pcpdvfwfpi fsekacdelv eemehygkws ggkhhdsris 601
 ggyenvptdd ihmkgvdlm vwldfirefi apvtlkvfag yytkgfalln fvvkysperq 661
 rslrphhdas tftinialnn vgedfqqggc kflryncsie sprkgwsfmh pgrlthlhag 721
 lpvkngtryi avsfidp

FIGURE 2